REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
1	Test-tube Agar cultures, vitality test of Spors. glob.	Bact. Lab.	Feb. 26, 95	Wilder
2	" " " " " " " " " "	"	"	"
3	" " " " " " " " " "	"	"	"
4	" " " " " " " " " "	"	"	"
5	" " " " " " " " " "	"	"	"
6	Dried beef treated with Spors. glob. from 21074	"	Feb. 28	"
7	" " " " " " " "	"	"	"
8	" " " " " " " "	"	"	"
9	Three corn meal fruit-jars Cultures treated with 21074	"	Feb 28	
10	" " " " " " " " 20173	"	"	"
11	Two test-tube agar cultures, separation of Spors. glob.	"	Mar. 14 '95	"
12	Agar tubes, + temp. test, + point at which spores cease growth	"	" 27 '95	"
13	Burning grass for destruction of chinch-bug	Univ. farm	" 27 "	Johnson
14	Agar-tube, inoc. with Spors. glob. Check for following temp. Exp's	Bact. Lab.	" "	Wilder
15	" " " " " " " " " "	" "	" "	"
16	" " " " " " Vitality test at 90° F	" "	" "	"
17	" " " " " " " " " 95° F	" "	" "	"
18	" " " " " " " " " 100° F	" "	" "	"
19	" " " " " " " " " 105° F	" "	" "	"
20	" " " " " " " " " 110° F	" "	" 28 "	"
21	" " " " " " " " " 115° F	" "	" 28 "	"
22	" " " " " " " " " 120° F	" "	" 29 "	"
23	" " " " " " " " " 125° F	" "	Apr. 1, 95	"
24	" " " " " " " " " 130° F	" "	" 2, 95	"
25	" " " " " " Check for following 9 Exp's	" "	Apr. 1 '95	"
26	" " " " " " Vitality test, .001% acetic Acid	" "	" " "	"
27	" " " " " " " " , .005% "	" "	" " "	"
28	" " " " " " " " , .01% "	" "	" " "	"
29	" " " " " " " " , .05% "	" "	" " "	"
30	" " " " " " " " , .1% "	" "	" " "	"
31	" " " " " " " " , .5% "	" "	" " "	"
32	" " " " " " " " , 1. % "	" "	" " "	"
33	" " " " " " " " , 2. % "	" "	" " "	"
34	" " " " " " " " , 5. % "	" "	" " "	"
35	" " " " " " Check for following 2 Exp's	" "	" 2 "	"
36	" " " " " " Vitality test, absence of light	" "	" " "	"
37	" " " " " " " " " " "	" "	" " "	"
38	Agar-tube, inoc with Spors. glob. Check for eight following Exp's	" "	" 4 "	"
39	" " " " " " Vitality test, .01% sodium carbonate	" "	" " "	"

REMARKS.	Accession Numbers.
Spores from 21071 End. Positive.	
" " 21072 " "	
" " " " Poor	
" " 21074 " Positive	
" " 21073 " "	
In test-tube not steril. " Negative	
" " " " " "	
" broken " " " "	
" " Positive.	
Spores from Exf No 11b. End. Positive.	
" " Exf 1. Tube 1. (not used.)	
Plot of orchard-grass filled with hybernating chinch-bugs. End - Positive	21097
Spores from Exf 1. End. Positive	
" " " " " "	
" " " " Air dry. End. Positive.	
" " " " " "	
" " " " " "	
" " " " " "

EXPERIMENT NUMBER.		DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
	40	Agar tube, inoc. with Spora. glob. vitality test. .05% Sodium Carbonate	Bact. Lab	April 4. 95	Wilder
	41	" " " " " " " " .1% " "	" "	" " "	"
	42	" " " " " " " " .5% " "	" "	" " "	"
	43	" " " " " " " " 1. % " "	" "	" " "	"
	44	" " " " " " " " 2. % " "	" "	" " "	"
	45	" " " " " " " " 5. % " "	" "	" " "	"
	46	" " " " " " " " 10. % " "	" "	" " "	"
	47	Agar tube, inoc. with Spora. glob, from Dradchinch bugs	Bact. Lab.	April 2, 95	Wilder
	48	" " " " " " " " " "	" "	" " "	"
	49	Corn meal preparation, Increase growing surface	" "	" 4 "	"
	50	" " " " " "	" "	" " "	"
✓ S	51	~~Paracubycid~~ Larvae in breeding-cage	~~Insectary~~	April 2, 95	Johnson
✓ S	52	Field experiment with Spora. glob. on hybernating Chinch-bugs	Univ. farm	" 3, "	"
✓	53	Larvae of Trogosita sp. treated with carbon bisulphid.	~~Ent. Lab.~~	" 5	"
✓	54	" + adults of Tribolium ferrugineum " " "	" "	" "	"
✓	55	Eggs of an Ephestia(?) moth in B.C for larvae	" "	" "	"
✓ S	56	Effect of moisture on chinch-bugs	~~Insectary~~	" "	"
✓ S	57	Pupae of Lonarsia hammondi buried in earth 1, 2, 3, 4, 5, + 6. inches	"	" "	"
✓ S	58	" " " " " " 4 inches	"	" "	"
✓ S	59	" " " " " " 3 inches	"	" "	"
✓ S	60	Larvae (grubs) from rotten maple stump in B.C. for adult	"	" "	"
	61	Culture of Spora. glob on Corn meal in petrie dishes	Bact. Lab.	" 25 "	Wilder
	62	Culture of Spora. glob in corn meal trays	Ent. Lab.	May 7 "	"
	63	Simplification of corn meal culture method	" "	" " "	"
	64	Chinch bugs infected with spores from acid cultures	" "	" " "	"
	65	" " " " " " alkaline "	" "	" " "	"
	66	Testing fluids of Chinch bugs	" "	" " "	"
	67	White grubs, in moist sand, possible fungus disease	Bact Lab	April 6 '95	Wilder
	68	" " " " " " " " "	"	" " "	"
	69	" " " " " " " " "	"	" " "	"
	70	Song continued artificial culture of Spora. glob.	"	" 15 "	"
✓	71	Worms in raw pea nuts in B.C for adult	Ent. Lab.	February 15 "	Johnson
✓ S	72	Eggs of Syphus-fly on apple bud from Univ. orchard	" "	Apr. 10 "	"
✓	73	Larvae from rubbish under log in B.C for adult	Insectary	" 11 "	"
✓	74	Pupa dug up from garden soil " " "	"	" 12 "	"
✓	75	Female of Med. Flour-moth (Ephestia Kühniella) for egg &c.	Ent. Lab.	" "	"
✓	76	Male of " " " 2nd & 3rd as if it will pair	" "	" "	"
✓	77	Larva from bunch of orchard grass for adult.	Insectary	" 11 "	"
✓	78	Leucopis coccorum in B.C "	"	" " "	"

REMARKS.		Accession Numbers.
Spores from Exp 6.	End. Positive.	
" " " "	" "	
" " " "	" "	
" " " "	" " (Fair)	
" " " "	" " "	
" " " "	" " (Poor)	
" " " "	" " "	
Spores from 20173.	" negative	
" " "	" "	
	" Positive.	
	" "	
To obtain adult, see notes-bred adult July 10		piece of oak pat. 21374 = larvae, pupae + adults, 21375 = work,
Spores from Agar acid corn meal cult. # 12 (1894) Results negative (bred).		
" " " " "		
" " " " "		21136, 45616, 45612, 45613,
Completed. Results negative		
In Riley breeding-cage. Results good.		
In boat-cage; from 21002 (see notes) Good results End.		
In two-gallon crock; from 21002 End Positive		
" " " " " "		
See notes - Bred adults (Pelidnota punctata)		21134, 21137, 21371. adults
Spores from 9f.	End. Positive.	
Spores from No. 26-31 35-46.	" "	
	" negative.	
Spores from 29.	" (Bugs used already infected)	
" " 41.	" " " " "	
litmus paper.	"	
	" negative	
	" "	
	" "	
See notes		(moths) 21230, 21231,
" " Results negative End		
" " End " "		(larvae) 21225
See notes. Results good. - Completed -		21257, 21259.
" " " "		
Too good -		
End Positive		

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
79	Ear of sweet corn (Bain moth) with 4 & 1 parasite from 21094	Ent. Lab.	Apr. 16. 95	Johnson
80	Parasites of Bain moth from 21094 placed in 21082 (Med Horn moth)	" "	" " "	"
81	Chinch-bugs, inoc. with Sfores from Exp 1.	Bact. Lab.	April 9 '95	Wilder
82	" " " " " " " 2	" "	" " "	"
83	" " " " " " " 4	" "	" " "	"
84	" " " " " " " 5	" "	" " "	"
85	Dead larvae inoc. with Sfors. glob.	" "	" 15 "	"
86	Verification of Exp. No. 22	" "	" " "	"
87	" " " " 23	" "	" " "	"
88	" " " " "	" "	" 16 "	"
89	Agar tube, inoc. with Sfors. glob. Vitality test 2 mf 1357	" "	" 15 "	"
90	Agar tube, inoc. with Sfors. glob. Vitality test 15% Sodium Carb.	" "	" 23 "	"
91	" " " " " " " " 20% " "	" "	" " "	"
92	Corn meal fruit jar culture inoc. with Sfors. glob	" "	" 16 "	"
93	White grubs in moist sand, possible fungus dis.	" "	" 17 "	"
94	White grubs in moist sand, possible fungus disease	" "	" " "	"
95	Verification of Exp. 28	" "	" 23 "	"
96	" " Exp. 29	" "	" " "	"
97	" " Exp. 30	" "	" " "	"
98	" " Exp. 31	" "	" " "	"
99	Separation culture from 21074	" "	" 25 "	"
100	" " " 20173	" "	" " "	"
101	Ear of sweet corn treated CS_2 for Bain moth	Ent. Lab.	Apr. 23, 95	Johnson
102	" " " " not " " " " "	" "	" 20 "	"
103	Effect of Sfors. glob on hybernating Chinch bugs in early spring	" "	" 17 "	"
104	Three-year old apple tree treated with CS_2 for Woolly aphis	Univ. Nursery	" 13 "	"
105	Parasites from 21094 transfered to 21082	Ent. Lab.	" 17 "	"
106	Lecanium on Peach twigs for life-history &c.	" "	" 19 "	"
107	Scale-insects on maple twigs " " " Sp. n. &c.	" "	" 16 "	"
108	[illegible] Plum-moth for no. of [illegible]	" "	" 23 "	"
109	" " " to test [illegible] statement that [illegible]	" "	" "	"
110	" " " " " " " "	" "	" "	"
111	Eggs from apple leaves. Probably parasitized; to determine.	Ent. Lab.	" 25	"
112	To test the effect of bisulphide of Carbon on the common Woolly aphis	Plum Farm	" 24	"
113	Four three-year old apple-trees dipped in water 135°F to destroy	"	" 26	"
114	" " " " " " 140°F "	"	"	"
115	" " " " " " 145°F "	"	"	"
116	" " " " " " 150°F "	"	"	"
117	Two " " " " " 159°F "	"	"	"

REMARKS.	Accession Numbers.
See notes of Exp 101+102.	21430, 21431.
See notes	
End. Positive	
" "	
" "	
" "	
On moist sand in open air. End. Negative.	
Spores from No 11. " Positive.	
" " " " " "	
" " " " " Negative	
Spores from No 11. " "	
In connection with Exp's 38-46. Spores from No 11. End Neg.	
" " " " " " " " End Neg.	
Spores from 21074.	
" End. Negative	
End. Doubtful	
Spores from No 11 " Positive	
" " " " " "	
" " " " " negative	
" " " " " "	
" " " " 21074 End Positive	
" " " " 20173 " negative	
See note Related to Exp's. 79+102.	
" " " " " " " +101	
" " Leuttera in corn meal + beef broth + on agar started at same time. End. Results negative)	
" "	
" " No. good	
" " (Lecanium persicae) end.	21206
" " (Aspidiotus comstocki Johnson) End.	21243, 44, 45; 21215, 16, 17, 18;
" " Results negative (End)	
" " End. Positive	
" " " "	
" " of Exp 72 - Results negative End	(eggs) 21262
" " (Two 83 dug up and examined stomach contents) Positive	21260 (Stomach contents)
" " Trays left in water 10 seconds	
" " " " " " " "	
" " " " " " " "	
" " " " " " " "	
" " This was a vitality test as well	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
118	Two three-year old apple-trees dipped in water 190° F. vitality test	Univ. Farm	Apr. 26, '13	Johnson
119	Four " " " " " 130° F [after 5 min.	"	"	"
120	" " " " " " 120° F " "	"	"	"
1	One " " " " " " 110° F " "	"	"	"
2	" " " " " " " 10% kerosene emulsion	"	Apr 27 "	"
3	" " " " " " " " "	"	"	"
4	" " taken from nest from 110 [illegible]	East Lab.	Apr. 29 "	"
5	Eight three-year old apple trees infested with woolly aphis [from Shakopee Minn Co.	Univ. Farm	" "	"
6	Four two-year old " from from the " " "	"	Apr 30 "	"
7	" " " " " " " " " " "	"	" "	"
8	" " " " " " " " " " "	"	" "	"
9	" " " " " " " " " " "	"	" "	"
130	" " " " " " " " " " "	"	" "	"
1	Five " " " " " " " " " "	"	" "	"
2	Mediterranean Flour-moth from 21082 for eggs &c.	East Lab.	May 1 "	"
3	Chinch-bugs from wheat-field Hurd farm Adin	" "	" 6 "	"
4	" " " " " Robinson " "	" "	" 6 "	"
5	" " " " " Kelly " Edgewood	" "	" " "	"
6	" " " " " S. E. of Wells " Fairmont	" "	" " "	"
7	Larvae from flour-mill Second Hand, Minn. for adult	"	" 3 "	"
8	Kerosene Emulsion 10% for Pine-leaf Scale (Le. pinifolia)	Campus	" 8 "	"
9	" " " " Pine Borer (Chermes pinicortecis)	"	" " "	"
140	Larvae (Diprion probably) in folded leaf in roadway on campus [for adult.	East Lab.	" " "	"
1	Eggs mass of Chinch-bug (B. erichsalus) from apple tree	"	" 7 "	"
2	" " " " " " Ill treated with Spor. glob. [and placed on damp sand.	"	" 7 "	"
3	" " " " " " not " on damp sand.	"	" " "	"
4	" " " " " " " " " dry blotting paper	"	" " "	"
5	Contagion box treated with 12 fungus-carrying bugs from [Univ. Farm Cage.	"	" " "	"
6	" " " " " 1 eg. in. cultures from Exp 92	"	" " "	"
7	Check on 145 + 146 and test of presence of fungus infld.	"	" "	"
8	An open contagion box with growing wheat, live bugs, [spore bugs from mass	"	" 10	"
9	Kerosene emulsion 8% for Pine-leaf scale (C. pinifolia) campus	Campus	" "	"
150	Field Experiment with Spor. glob. on chinch bugs.	Station farm	" 14	"
1	effect of spor-glob on newly-hatched chinch-bugs	East Lab.	" 20, '13	"
2	[illegible] in containing fungus	"	" " "	"
3	Pupa found in earth on wheat roots; for adult	"	" 21 "	"
4	Larvae boring in ash twigs, in B.C. for adult	"	" 22 "	"
5	Gall making larvae on unknown plant; for adults	"	" " "	"
6	Field exp. to test efficiency of furrow + coal tar to arrest the ad. [travel of ch. bgs from wheat to corn	Edgewood	June 1 "	

REMARKS.	Accession Numbers.
See note. Trees left — water 10 sec.	
" " " " " "	
" " " " " "	
" " " " 15 " "	
" " " " " Emulsion 1 min.	
" " " " " " 2 " "	
" " End - see note	
" " Trees not treated and blanked as a check.	
" " " Treated with Comstock's Caterpillar Lime & Sulphur Solution	
" " " " " fertilizer.	" " " " "
" " " " " wood-ashes	" " " " "
" " " " " Slaked lime	" " " "
" " " " "	
" " Not treated (check)	
" " Result, negative. End	
" " Used in culture plate to see if Spor. glob. is present. End	
" " " " " " " " " " " " " " End negative	
" " " " " " " " " " " " " " " " " " " "	
" " " " " " " " " " " " " " " " " " " "	
" " End Results Positive	21301 dust + lard
" " Negative	
" " Positive. Good.	
" " End June 24. Results negative	(Control) 21304
" " " " " 3 " "	21308.
" " Spor. from chicks from Wells May 7. End Results good	
" " End - Results good	21352.
" " " " "	
" " Colored July 12, 95 (Good results	21355.
" "	21355, 21426, 21466,
" " (Found necessary as we found Spor. glob. abundant in all plates inoculated May 20	
" " End. Results good	
" " Negative N.F.	
" "	23129.
" " (End. Results negative)	
" " Results negative End.	
" " " " " " no good.	45629,
" "	
" "	21331, 21508.
" " Results on silicic acid.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
157	Larvae boring in box elder twigs	~~Ent. Lab~~	May 22	Johnson
8	Open contagion box with excelsior cover	" "	June 25	"
9	Vitality test of cult. mat. with chisel-bugs from Mansfield Champ Co.	" "	" 27	"
160	Barrels Exps., with salt, salt & kerosene, crude petroleum	Univ. Farm	" 27+28	"
1	Vitality test (germinating spores) Spor. glo.	Ent. Lab.	May 9 '95	Wilbur
2	Dead chinch bugs from Highland Ill. for disease	" "	" " "	"
3	Agar tube infected with spores from fungus covered cicada	" "	" 10 "	"
4	Culture (Spor. glo in corn meal trays	" "	" 13 "	"
5	" " " fruit jar	" "	" " "	"
6	Larvae inoc. with spores from No 70	" "	" " "	"
7	No. 161 repeated	" "	" 14 "	"
8	Vitality test. (effect) (moisture) (on immature growth) Spor. glo	" "	" 15 "	"
9	" " " " " " " " "	" "	" " "	"
170	" " " " " " " " "	" "	" " "	"
1	" " " " " " " " "	" "	" " "	"
2	Time required for (ripened spores) Spor. glo	" "	" " "	"
3	No. 63 repeated	" "	" " "	"
4	Agar Culture (Acc. No. 21321	" "	" " "	"
5	(effect) (absence) (moisture on immature growth) Spor. glo	" "	" 16 "	"
6	Attenuated cultures (Spor. glo. on beef broth	" "	" " "	"
7	Culture (Spor. glo in trays	" "	" 17 "	"
8	Ten trays (corn meal material inoc. with Spor glo	" "	" 20 "	"
9	Growth (Spor glo on large surface) beef broth	" "	" 28 "	"
180	Verification (Exp. 168	" "	June 8 "	"
1	" " " 169	" "	" " "	"
2	" " 170	" "	" " "	"
3	" " 171	" "	" " "	"
4	Check to four preceding Exp's	" "	" " "	"
5	Verification (Exp. No. 172	" "	" " "	"
6	Separation culture, Exp (No 163 (B)	" "	" " "	"
7	" " " " " (A)	" "	" " "	"
8	Growth (Spor. glo at 85° F	" "	" 10 "	"
9	" " " " " 100° F	" "	" " "	"
190	" " " " " 95° F	" "	" " "	"
1	Attempt to obtain cultures of Sclerotinia from	" "		
2	corn infected with		Feb 21, 1909	L. Dewey
3				
4	Sphenophorus scoparius adults from young corn	Kilbourne, Ill	Jun 3, 1909	C. E. Sanborn
5	Saw-fly larvae from white ash	Normal "	" " "	M. C. Tanquary

REMARKS.	Accession Numbers.
see notes – [illegible]	21637.
" "	45619,
" " End - Fairly good results.	45620,
Germinated in distilled water. End. (see notes)	
" Positive	
Spores from 20121	
" " 61. End. Positive	
" " " " "	
" Negative	
Spores from No. 18. " (see notes)	
" " No 61. Entire growth at low temp. End. (see notes)	
" " " 103 Effect on immature growth.	
" " " 61 Short exposure) spores to cold. End. (see notes)	
" " " 103 " " " " immature growth. End. (notes)	
" " " " End. (see notes)	
" Positive.	
Spores from No 18. End. (reseeded in No 198)	
" " " ", End. Positive.	
" " " 1-5 inclusive. End. Positive.	
" " " 62 (Five more prepared May 27'95) End. Po.	
" " 61.	
" " 176	
" " "	
" " "	
" " "	
" " "	
" " "	
Spores from No. 61	
" " " " [illegible]	
" " " 171C	
[illegible]	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
196	Cut-worm inoc. with Sporo. glob.	Ent Lab.	June 1905	Vestal
7	Short Exposure to high temp of immature Sporo. glob	" "	" " "	"
8	Exp. 175 repeated.	" "	" " "	"
9	Long exposure to high temp of Sporo glob (immature)	" "	" " "	"
200	Separation of No 174.	" "	" " "	"
1	Two tubes inoc. with material from 94	" "	" " "	"
2	two Agar tubes inoc. with material from 21	" "	" " "	"
3	Separation Culture. Exp 167 (2 tubes)	" "	" 19 "	"
4	Chaitophorus negundinis, dimorph	Urbana, Ill.	Jun 7, 1909	C. E. Sanborn
5	Callosamia promethea cocoons on wild cherry	" "	Jan. 19, 1910	Hart
6	Tipulid larvae from wheat stubble	Golconda "	Apr. 14 "	Vestal & Zetek
7	Lepidopterous larvae infesting clover	" "	" " "	"
8	Hessian fly in wheat	Nashville "	" 20 "	A. G. Vestal
9	Cutworms from corn	Boylestown, Ill.	Jun 4, 1909	M. C. Jauquay
210	Separation of No 179, impure	Ent. Lab.	July 3. 95	Duggar
1	Cultures from Sporot. on various insects	Ent. Lab.	" 3.	"
2	Separation cultures from various	" "	" —	"
3	" " " " " "	" "	" 4	"
4	" " " " " "	" "	" 7	"
5	" " " " " "	" "	" —	"
6	Inoculation of Aphids (Toxoptera sipiwatae) with Entomophthora	" "	" 5	"
7	" " Squash Bugs	" "	" 8	"
8	" " Chinch Bugs by spraying Sporglob	" "	" 7	"
9	" " " " " Inft. material of "	" "	" 7	"
220	Check on 218 & 219	" "	" 7	"
1	Inoculation of full gr. Cabbage larvae - exposed surface	" "	" 7	"
2	" " " " " " under "	" "	" 7	"
3	" " Cabbage worm Jumper with Sporo. glob (new)	" "	" 7	"
4	" " Sq[illegible]	" "	" 7	"
5	" " young Cabbage worms	" "	" 7	"
6	Tube culture of an indetermined fungus	" "	" 11	"
7	This culture apparently not from the Isaria spm. Separation cult. of Isaria on dead worm (Error)	" "	" 11	"
8	" " " " " (2) on ind. pellet of excr.	" "	" 11	"
9	" " " 70 (now 7 attenuations	" "	" 11	"
230	larva + round boring in cab. = Stalk-borer	~~Ent. Lab.~~	July 4, 05	Johnson
1	Sporo. glob. test on chinch-bugs from Exp 150	" "	" 6 "	"
2	Eggs of hymenopterous parasite on larva of L. hammondi	" "	" " "	"
3	" " " " " " " "	" "	" " "	"
4	Larva of " " " " " "	" "	" " "	"

REMARKS.	Accession Numbers.
Spores from 176.	45621,
" " 61	
" " 103 (corn meal cultures)	
" " 61	
" "	
Sanders, coll.	44039, 44203, 44204,
L. M. Smith, coll.	43138,
" "	43135, 43136, 43152, 43988, 43993, 44088,
" "	43958, 43960, 44197, 44235, 44236,
	42174, 42180, 42223.
Spores from 179 sown on nutr. agar in Petri dish. See notes	23005
Streak and Petri dish cultures to determine form or sp. of Sporot.	23141, 23000, 23004.
To de[illegible]	
" " "	23132
" " " End. Sterigmatocystis nigra	23025
" " " " Mucor racemosus	23029
Spores from Ch. Bryce sent by Stanley Hill, Calhoun, July 1 (see notes). No results	
" " " " " " " End. No re[illegible]	
" " 174	
" " 179.	
End. Spontaneous occurrence	
Spores from 170 End [illegible]	
" " " 180	
" " 179	23024 (23025 from 23024)
" " 170 End [illegible]	
[illegible] as accidental [illegible] Secure	
To secure simple form (Error! See notes) End Spore glob.	23021, 23010.
" " " " Failure - no notes.	
5th attenuation, given new No	
in B.C. for adult. End - no good, lower [illegible]	
" " " "	
" " " "	
" " " " Good	lava 21373, 21418, 21416 = parasite
" " " " No good.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
✓ 235	Cocoon of hymenopterous parasite on apple bud. from adult	Cut	Lab.	July 6, 95	Johnson
✓ 6	" " " " " " " "	"	"	" "	"
✓ 7	" " " " " " " "	"	"	" " "	"
✓ 8	Aspidiotus on currant canes for adult ♂	"	"	" " "	"
✓ 9	The Black carpet beetle (Attagenus piceus) larvæ in connect for adult	"	"	" 16 95	"
✓ 240	[illegible]	"	"	" " "	"
✓ 1	Male pupæ of Chionaspis americana on bean stump for adult	"	"	" 17 "	"
✓ 2	[illegible] on apple [illegible] for adult	"	"	" " "	"
✓ 3	Gall on Red maple leaves for adult	"	"	" 22 "	"
✓ 4	[illegible] pear old rotten stump for adult &c.	"	"	" " "	"
✓ 5	Salt test to kill fungus mites.	"	"	" 23 "	"
✓ 6	Sulphur " " " " "	"	"	" " "	"
✓ 7	[illegible] on 238, 239, 240	"	"	" " "	"
✓ 8	Aspidiotus on cherry twigs for adult ♂	"	"	" 24 "	"
✓ 9	Chionaspis on Cydonia Japonica Japan quince.	"	"	" 26 "	"
✓ 250	Aspidiotus on Cydonia or Japan Chinquinea,	"	"	" "	"
✓ 1	Lecanium on Ulmus americana parasites	"	"	" " "	"
✓ 2	Diaspis rosæ on rose bush for adult ♂	"	"	" " "	"
✓ 3	Chionaspis furfurus on apple	"	"	" " "	"
✓ 4	Chionaspis americana on Elm	"	"	" " "	"
✓ 5	Chionaspis pinifoliæ on pine	"	"	" " "	"
✓ 6	Cases of Chlamys plicata for adults, parasites &c.	"	"	" (25) "	"
✓ 7	[illegible] parasites &c.	"	"	" 31 "	"
✓ 8	[illegible] of sp. 240 on [illegible]	"	"	(Aug 3 "	"
✓ 9	[illegible] pupæ continued for Eggs	"	"	" " "	"
✓ 260	Cocoons of Fungus mites attached to twig and dead	"	"	" 3 "	"
✓ 1	" " " " " " dead " "	"	"	" " "	"
✓ 2	" " " " " " " " chunk twig 248	"	"	" " "	"
✓ 3	[illegible]	"	"	"	"
✓ 4	" " " " [illegible]	"	"	"	"
✓ 5	" " " " "	"	"	"	"
✓ 6	" " " " "	"	"	"	"
✓ 7	" " " " "	"	"	"	"
✓ 8	" " " " "	"	"	"	"
✓ 9	" " " " "	"	"	"	"
270	[illegible]				Duggar
1	" " " " " (continued)				"
2	" " " " "				
3	" " " " "			12	"

REMARKS.	Accession Numbers.
Inst. tube B.C (See note.)	
" " " " "	5 adult, 21376-77
" " " " " Emd -	21393 = parasite + cocoon
" " " " "	8 worst possible. 21479, 21419, 21473, 21474, 21478, 21380, 21381, 29437, 21400, 21402, 21417,
Culture slide " " Larvae from 21011	
See notes - No good results.	
" "	
" "	Larvae + pupae 21385, 29438.
" "	Larvae 21387
" "	larvae + pupae, adult, 21388; 21421 + 21554, 21404, parasite worker + possibly drones
" " " " abdomen, Emd	
" " " "	
" " " "	
" "	21442, 21455, 21461, 21472, adult ♂ 21391=slide, 29439, 21407, 21424, 21440,
" "	cocoon 21394, 29440, 21439,
"	29441, 21437, 21438, 21493,
	29442, 21463, 21477,
" "	29443, 21398, 21399, 21408, 21411, 21476,
" "	29444
" "	29445
" "	29446
" "	cocoon pupa adult larvae 21378, 21403, 21425.
" " Nothing bred - Emd Oct. 1-95. Nothing removed -	
	21492 = male + adult
not attack larvae [illegible]	
[illegible]	
Good results.	
Spores from 211 one remove Emd. 2 months.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 1896	EXPERIMENTOR.
274	Growth of Spor. glob. after 24 hrs. exp. to 95°F	Bact. Lab.	Aug. 12	Conner
5	" " " " continuous " " "	" "	" 12 10 a.m.	"
6	" " " " 6 hrs " " 100°F.	Bact Lab.	" 12	"
7	" " " " 24 " " " 100 F.	" "	" 12	"
8	" " " " continuous " " 100°F	" "	" 12	"
9	" " " " 6 hrs. " " 105°F.	" "	" 12	"
280	" " " " 24 " " 105°F.	" "	" 12	"
1		" "	" 12	"
2	" " " " 6 hrs " " 115°F	" "	" 25	"
3	" " " " 24 " " 115°F	" "	" 24	"
4	" " " " " 115°F	" "	" 24	"
5	Effect of air at 115° on 24 hrs. inoc. with Spor. glob.	Prof. Lab.	" 12	"
6	" " " " 2 days " " " "	"	" 12	"
7	" " " " 3 days " " " "	"	" 12	"
8	" " moist atm. throughout, as compared with 285-7(2)-no	"	" 12	"
9	" " " " " no impt. material after 24 hrs.	"	" 12	"
290	Check, moist throughout	"	" 15	"
1	" on 270-284	"	" 15	"
2	Tubes inoculated from 2 1/2 comp. group 270-84	"	" 15	"
3	" " " " " " "	"	" 16	"
4	Spor. glob. Exposed 24 hrs to high temp. (105°F) after 6 hrs. inoc.	Bact. Lab.	" 16	"
5	" " " " " " " (105°F) " 24 " "	" "	" 16	"
6	" " " " " " " (100°F) " 6 " "	" "	" 16	"
7	" " " " " " " (100°F) " 24 " "	" "	" 16	"
8	" " " " " " " (105°F) " 2½ days "	" "	" 16, 6 P.M.	"
9	" " " 6 hrs " " " (105°F) " 2½ " "	" "	" 16, 6 P.M.	"
300	" " " 24 hrs " " " (100°F) " 2½ " "	" "	" 16, 6 P.M.	"
1	" " " 6 " " " " (100°F) " 2½ " "	" "	" 16, 6 P.M.	"
2	" " " 24 hrs " " " (25°F) " 6 " "	" "	" 25 8 a.m.	"
3	" " " " " " " " (25°F) " 24 " "	" "	" 25 "	"
4	" " " " " " " " (115°F " 6 " "	" "	" 25 "	"
5	" " " " " " " " (115°F) " 24 "	" "	" 25 "	"
6	Open air culture of Spor glob. on C.M. &c.	Ent. Lab.	" 12	"
7	" " " " " " " " "	" "	" 12	"
8	" " " " " " " " "	" "	" 12	"
9	" " " " " " " " "	" "	" 12	"
310	" " " " " " " " "	" "	" 12	"
1	" " " " " " " " "	" "	" 12	"
2	" " " " " " " " "	" "	" 12	"

REMARKS.	Accession Numbers.
Spores from [illegible] End. One center of growth	
" " " " " No growth	
" " End. Retarded growth	
" " " " "	
" " " " "	
" " Retarded "	
" " No "	
" " " " "	
" 211[3] end [illegible] " " "	
" 211[3] " " " " "	
" 211[3] " " " " "	
" 179. [illegible] from 28 End. Emb[illegible]	
" 79. " " 28 " "	
" 79. " 28 " "	
" 79. Several [illegible] 2 " "	
" 79. " 25 " "	
Unvaccinated. [illegible]	
Check. End. Period of growth	
Exposed to final conditions beginning [illegible] End. No growth	
" " " " [illegible] " "	
Spores from [illegible] End. One area of growth	
" " 2[3] " No "	
" " 2[3] " " "	
" " 2[3] " Two centers of "	20745.
" " 2[3] " New growth.	20745.
" " 21[3] Retd " "	20745.
" " 21[3] " " "	20745.
" " 2[3] " " "	20745.
" " 21[3] one center " No growth	
" " 21[3] " " "	
" " 21[3] " " "	
" " 21[3] " " "	
Spores from 917[a] End.	
" " "	23028
" " "	23030
" " "	
" " "	
" " "	
" " "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 1915	EXPERIMENTOR.
313	Open air culture of Sporo. glob. on C.M. &c.	Ecol. Lab.	July 12	Duggar
4	" " " of Sp. gl. on Bib. Asp., Corn Inf., + Na_2CO_3	" "	" 18	"
5	" " " " " " " Horse D., + "	" "	" 18	"
6	" " " " " " " " Bouillon, + "	" "	" 18	"
7	" " " " " " " " Sug. Sol., + "	" "	" 18	"
8	" " " " " " " " Corn Inf., +	" "	" 18	"
9	" " " " " " " " Horse D. +	" "	" 18	"
320	" " " " " " " " Bouillon + "	" "	" 18	"
1	" " " " " " " " Sug Sol. + "	" "	" 18	"
2	" " " " " " " " Rat Hair, Corn Inf. + "	" "	" 18	"
3	" " " " " " " " Horse D. + "	" "	" 18	"
4	" " " " " " " " Bouillon + "	" "	" 18	"
5	" " " " " " " " Sug Sol + "	" "	" 18	"
6	" " " " " " " Horse D. - - + "	" "	" 18	"
7	" " " " " " " " Bouillon + "	" "	" 18	"
8	" " " " " " " " Sug. Sol + "	" "	" 18	"
9	" " " " " " " Fresh Beef + Na. Cl.	" "	" 18	"
330	" " " " " " " Cooked Beef + Na_2Cl_3	" "	" 18	"
1	Separation culture of Sporotrichum spora on reed	" "	" 19	"
2	Tube (2) cultures from Petri dish 227	" "	" 19	"
3	Growth of Sporo. glob. in direct sunlight	" "	" 20	"
4	" " " " " " shade	" "	" 20	"
5	Separate culture of very old material "accident of Nos 2.	" "	" 22	"
6	" " " " " " " " heated	" "	" 22	"
7	" " " " very old material (20121) attempted	" "	" 22	"
8	" " " " " " " (20122) "	" "	" 22	"
9	(R. L. + 217. Inoc. Squash bugs with Entomophthora	" "	" 23	"
340	Inoculation of young cabbage worms with Sporot.	" "	" 23	"
1	" " Spurs of " " " " " "	" "	" 26	"
2	Check on 240-241, lively cabbage worms of various ages	" "	" 23	"
3	Dead cabbage worms alive with Sporot to compare	" "	" 23	"
4	Control Lepidoptera " "	" "	" 23	"
5	Check on 340 - -	" "	" 23	"
6	Inoc. of Quick-bugs with Sporo glob.	" "	" 26	"
7	" " " dead " " "	" "	" 26	"
8	Check on 346	" "	" 26	"
9	" " 347	" "	" 26	"
350	Dead cabbage worms inoc. with supposed Sporo. glob.	" "	" 25	"
1	" " " " " " " "	" "	" 25	"

REMARKS.		Accession Numbers.
Spores from 9Ha	End.	
" " 1 " 211-3	" No practical value	
" " 3		
" " 3	" " "	
" " 21-3	" " " "	
" " 211-3	" " " "	
" " 2 11-3	" " "	
" " 2 -3	" " "	
" " 2 -3	" " "	
" " 211-3	" " " "	
" " 2 -3	" " "	
" " 211-3	" " "	
" " 211-3	" " " "	
" " 211-3	" " "	
" " 211	" " " "	
" " 2 -3	" " "	
" " 2 -3	" " "	
" " 2 -3	" " "	
Petri dish. Original buried for Esania, see cult. 33		23135
For pure cultures and Stock material		
Spores from 211-3 (Comp. Check 291 for diffused light)	End. Repeat	
" " 211-3 " " " " " " " " "		
		23135
Spores from bugs sent by H. T. Rigg, Goldengate. (Check 239a)	End No result.	
" " " 211-3, one remove.	" Fair "	23142
" " " " " Repeating somewhat 223	" " "	23143, 23024,
Not inoculated	" Positive	
Compare with 240-241 Spores from 211-3 one remove	" Good result	
Repeating 224 " " " " " " "	" "	23120, 23124, 23123, 23142
	" Positive.	
On death, alternate cones to be examined microscopically. [Spores from 211-3, one remove.	End "	
Spores from 211-3 one remove	" "	
	" "	
	" "	
Spores from 23006 (on seed)	End. Negative.	
" " Esania like growth of it in 23007 (Lepidopt. larva)	End. "	23007.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 95	EXPERIMENTOR.
352	Lab. culture with supposed Spor. glob.	Ent. Lab.	July 25	Lucas
3	" " " " " "	"	" 25	" "
4	" " " " " " "	"	" 25	"
5	" " " " " "	"	" 25	"
6	" " " " Daria	"	" 25	"
7	" " " " "	"	" 25	"
8	" " " " supposed	"	" 25	"
9	Check dead " " uninoculated	"	" 25	"
360	Separation cult. of Spor. 23-06 (on reed), petri dish mit. Agar	"	" 25	"
1	" " " Sporotrichum on Lepidopt. larva	"	" 25	"
2	" " " " Pieris rapae	"	" 25	"
3	" " " " Diptera	"	" 25	"
4	" " " " Coccus Hymenopt.	"	" 25	"
5	" " " " Hymenopt.	"	" 25	"
6	" " " Spora on dead leaves	"	" 25	"
7	" " " Scratch for Spores tube	"	" 25	"
8	Burying Insect with Spor. glob.	Insectary	" 27	"
9	Pt. Lepidoptera larva with " " buried	"	" 27	"
370	Daria cucullia " " " "	"	" 27	"
1	Diplotaxis " " " "	"	" 27	"
2	Coccus of Hymenopt. insect " " " "	"	" 27	"
3	Trox sinistriatus " " " "	"	" 27	"
4	Chinch-bugs " " " "	"	" 27	"
5	Larva of Pinnapar " " " "	"	" 27	"
6	Dead cabbage worms with supposed Spor. glob	Ent. Lab.	" 29	"
7	Culture of Spor. glob. on Corn meal + Na_2CO_3 + C. Inf. - supposed	"	" 29	"
8	" " " " " " " " " " " H. Inf. "	"	" 29	"
9	" " " " " " " " " " " Bouillon "	"	" 29	"
380	" " " " " " " " " " " 5% Sug. Sol. "	"	" 29	"
	" " " " " " " " " " " Corn Inf. "	"	" 29	"
2	" " " " " " " " " " " H. Inf. "	"	" 29	"
3	" " " " " " " " " " " Bouillon "	"	" 29	"
4	" " " " " " " " " " " Sug. Sol. "	"	" 29	"
5	" " " " " " " " " " " Corn Inf. "	"	" 29	"
	" " " " " " " " " " " H. Inf. "	"	" 29	"
	" " " " " " " " " " " Bouillon "	"	" 29	"
8	" " " " " " " " " " " Sug. Sol. "	"	" 29	"
9	" " " " " " " " " " " Corn Inf. "	"	" 29	"
390	" " " " " " " " " " " H. Inf. "	"	" 29	"

REMARKS.			Accession Numbers.
Spore from 24 36½ (Paria canella)	End.	Negative	
" " 23008 " plate "	"	"	23008.
" 23009 (Crown of Hymenopt. insect)	"	"	23009.
" 23012 (Trox unistriatus)	"	"	23012.
" 23011 " dead leaves		"	23011.
" 23010 " dead leaves	"	"	23010, 23021.
" " Exp. 22"	"	Spor. glob.	
	"	O.K.	
For further comparison with typical Spore. glob. from 23006.	End.	Spor. glob.	23135
" " " "	2370	" Ps. viridi	
" " " "	1369c	" Spor. glob	
" " " "	23078	" Spor. glob Vert.	23008.
" " " "	23099	" Spor. glob	23009.
" " " "	23012	" Spore. glob	23135, 23012.
" " " "	2300		23011, 23137.
" " " "	23017	" Spor. glob.	23135
Trox Diana from, see notes.	(2370)	End. Negative	23006.
" " " "	(2300?)	" Good	23035, 23007.
" " " "	2, 36a	" negative	
" " " "	(23008)	" "	23008.
" " " "	(23009)	" "	23009.
" " " "	(23012)	" "	23012.
" " " "	from contagion box)	" "	
" " " "	" E. 12. 343)	" "	
Spore from 33 (a separation out of 2306, bacteria comp.	"	Spor. glob.	
" " Chinch-bugs from contagion box. See notes for anal. Na. Cl, &c.	End	No growth	
" " " " " " " " " " " " " " " "			
" " " " " " " " " " " " " " " "			
" " " " " " " " " " " " " " " "			
" " 2 11 3, once removed.	"	"	
" " 2 11 3 one "	"	"	
" " 2 11 3 " "	"	"	
" " 2 11 3 " "	"	"	
" " Chinch-bugs from contagion box	"	"	
" " " " " "	"	"	
" " " " " "	"	"	
" " " " " "	"	"	
" " 2 1 3 one removed	"	"	
" " 2 1 3 " "	"	"	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 19	EXPERIMENTOR.
391	Culture of Spor. glob. on Corn Meal Na_2CO_3 and Bouillon	East Lab.	July 29	Duggar
2	" " " " " " " " " "	" "	" 29	"
3	Rhizoc. air room 2 tubes giving no growth at high temps.	" "	"	"
4	Cult. Spor. glob. exp. 1 hr. to 125°F after 6 hrs. moc	Bact. Lab.	Aug. 1	"
5	" " " " 1 " " 125°F " 15 " "	" "	July 31	"
6	" " " " 1 " " " 24 " "	" "	Aug. 1	"
7	" " " " 1 " " " 2½ das "	" "	July 30	"
8	" " " " 3 hrs. " " 6 hrs "	" "	Aug. 1	"
9	" " " " 3 " " " 15 " "	" "	July 30	"
400	" " " " 3 " " " 24 " "	" "	July 30	"
1	" " " " 3 " " " 2½ das. "	" "	July 30	"
2	" " " " 6 " " " 6 hrs. "	" "	July 30	"
3	" " " " 6 " " " 15 " "	" "	Aug. 1	"
4	" " " " 6 " " " 24 " "	" "	July 30	"
5	" " " " 6 " " " 2½ das "	" "	" 29	"
6	" " " " 12 " " " 6 hrs "	" "	" 30	"
7	" " " " 12 " " " 15 " "	" "	" 29	"
8	" " " " 12 " " " 24 hrs "	" "	" 29	"
9	" " " " 12 " " " 2½ das "	" "	" 30	"
10	" " " " 24 " " " 15 hrs. "	" "	" 29	"
11	" " " " 24 " " " 2½ das "	" "	" 29	"
12	Cult. Spor. glob. " 1 hr. to 115°F. " 6 hrs. "	" "	Aug. 1	"
13	" " " " 1 " " " 15 " "	" "	July 30	"
14	" " " " 1 " " " 24 " "	" "	Aug. 1	"
15	" " " " 1 " " " 2½ das "	" "	July 30	"
16	" " " " 3 hrs " " " 6 hrs. "	" "	Aug 1	"
17	" " " " 3 " " " 15 " "	" "	July 30	"
18	" " " " 3 " " " 24 " "	" "	" 30	"
19	" " " " 3 " " " 2½ das. "	" "	" 31	"
420	" " " " 6 " " " 6 hrs. "	" "	" 30	"
1	" " " " 6 " " " 15 " "	" "	" 29	"
2	" " " " 6 " " " 24 " "	" "	" 30	"
3	" " " " 6 " " " 2½ das. "	" "	" 29	"
4	" " " " 12 " " " 6 hrs. "	" "	" 30	"
5	" " " " 12 " " " 15 " "	" "	" 29	"
6	" " " " 12 " " " 24 " "	" "	" 29	"
7	" " " " 12 " " " 2½ das. "	" "	" 30	"
8	" " " " 24 " " " 15 hrs. "	" "	" 29	"
9	" " " " 24 " " " 2½ das. "	" "	" 29	"

		REMARKS.	Accession Numbers.
Spore from 211/3 mercuror.	See notes for anat. Na_2CO_3 &c.	End. No growth	
" " 211/3 "	"	" growth.	"
" " 211/3 "	"	Testing growing capacity of agar in various expts., as, 292, 293, 277, 278 &c's	End. Excellent growth. "
" " 211/3 "	"	End. Growth from six centers	"
" " 211/3 "	"	" " over centers	"
" " 211/3 "	"	" No growth.	"
" " 211/3 "	"	" None "	"
" " 211/3 "	"	" Growth from [illegible] centers	"
" " 211/3 "	"	" No growth.	"
" " 211/3 "	"	" " "	"
" " 211/3 "	"	" None "	"
" " 211/3 "	"	" No "	"
" " 211/3 "	"	" " "	"
" " 211/3 "	"	" " "	"
" " 211/3 "	"	" "

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 93-	EXPERIMENTOR.
30	Cult. Spor. glob. exp'd 3 hrs to 125°F. after 6 hrs incub.	Bact. Lab.	Aug. 7	Duggar
1	" " " " 3 " to 125°F. 48 hrs after inoc.	" "	" 7	"
2	" " " " 3 " to 125°F 24 " " "	" "	" 7	"
3	" " " " 6 " " 125°F 6 " " "	" "	" 7	"
4	" " " " 6 " " 125°F 5 " " "	" "	" 7	"
5	" " " " 6 " " 125°F 24 " " "	" "	" 7	"
6	" " " " 24 " " 125°F 15 " " "	" "	" 7	"
7	" " " " 3 " " 130°F 6 " " "	" "	" 9	"
8	" " " " 3 " " 130°F 15 " " "	" "	" 9	"
9	" " " " 3 " " 130°F 24 " " "	" "	" 9	"
440	" " " " 6 " " 130°F 6 " " "	" "	" 9	"
1	" " " " 6 " " 130°F 15 " " "	" "	" 9	"
2	" " " " 6 " " 130°F 24 " " "	" "	" 9	"
3	" " " " 24 " " 130°F 15 " " "	" "	" 9	"
4	" " " " 1 " " 95°F " " "			"
5	" " " " 6 " " 95°F 24 " " "	" "		"
6	" " " " 1 " " 95°F " " "	" "		"
7	" " " " 6 " " 95°F 24 " " "	" "		"
8	Cult. Spor. glob. " 1 hr " 125°F immedly. on inoc.	" "	" 3	"
9	" " " 3 hrs " 125°F " " "	" "	July 29	"
450	" " " " 6 " " 125°F " " "	" "	" 25	"
1	" " " " 9 " " 125°F " " "	" "	" 29	"
2	" " " " 8 " " 25°F " " "	" "	" 29	"
3	" " " " 24 " " 125°F " " "	" "	" 24	"
4	" " " " 1 hr " 115°F " " "	" "	Aug. 2	"
5	" " " " 3 hrs. 115°F " " "	" "	July 29	"
6	" " " " 9 " 115°F " " "	" "	" 29	"
7	" " " " 18 " 115°F " " "	" "	Aug 2	"
8	" " " " 9 " 105°F " " "	" "	" 7	"
9	" " " " 18 " 105°F " " "	" "	" 7	"
460	" " " " 9 " 100°F " " "	" "	" 10	"
1	" " " " 18 " 100°F " " "	" "	" 9	"
2	" " " from spores exp'd 1 hr to 125°F. dry heat	Ent. Lab.	" 13	"
3	" " " " " " 3 hrs " 125° " " "	" "	" 13	"
4	" " " " " " 6 " " 125° " " "	" "	" 13	"
5	" " " " " " 1 hr " 130° " " "	" "	" 15	"
6	" " " " " " 3 hrs " 130° " " "	" "	" 15	"
7	" " " " " " 6 " " 130° " " "	" "	" 22	"
8	" " " " " " 1 hr " 140° " " "	" "	" 22	"

REMARKS.	Accession Numbers.
Store from 211 3 one remove. End. Root [illegible]	
" " 211 3 " " " " "	
" " 211 3 " " " " "	
" " 211 3 " " " " "

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 195	EXPERIMENTOR.
469	Squash bugs inoc. with supposed bacterial disease	Ent. Lab.	Aug 3	Duggar
470	" as check on 469	" "	" 1	"
1	Chinch bugs inoc. with supposed bacterial disease	" "	" 3	"
2	" as check on 471		" 3	"
3	Squash bugs exp'd to supposed bacterial disease		" 3	"
4	" as check on 473	"	" 3	"
5	Chinch bugs exp'd to bacterial disease	" "	" 3	"
6	" as check on 475	" "	" 3	"
7	" " Exp'd to supposed bacterial disease	" "	" 8	"
8	" " to dead bugs from check 472	" "	" 8	"
9	" as check on 477 supplementing 478	" "	" 8	"
480	Squash " Exp'd to supposed bacterial disease	" "	" 8	"
1	" " " " " dead bugs from check 472	" "	" 8	"
2	" " as check on 480, supplementing 481	" "	" 8	"
3	Attempt to isolate organism of supposed bacterial disease of bugs	" "	" 3	"
4	Separation cult. of Isaria densa from potato cult.	" "	" 8	Duggar
5	" " " " " " " " "	" "	" 8	"
6	" " inoculations " " "	" "	" 8	"
7	" " Isaria destructor from "	" "	" 8	"
8	Young chinch bugs inoc. with bacteria from (1) of Ex #483a	" "	" 16	"
9	" " " " " " " " " I " " 483b	" "	" 16	"
490	" " " as check on 488 and 489	" "	" 16	"
1	" " " subjected to bacterial infn. Repeating 491	" "	" 16	"
2	" " " as check on 491 inoculation 490	" "	" 16	"
3	Growth of 2 spore glob. on fluid media, Bouillon	" "	" 20	"
4	Inoculation of Squash bugs with bacteria from 483a/2	" "	" 20	"
5	Squash bugs as check on 495	" "	" 20	"
6	" " " inoc. with bacterial disease from 469	" "	" 12	"
7	Cultivation of [illegible]			
8	" " Isolation masses of spore coats on nutr. agar	" "	" 19	"
9	Separation cultures from diseased squash bugs	" "	" 20	"
500	Breeding cage of " grasshoppers	" "	" 14	"
1	Separation cult. from diseased grasshoppers	" "	" 20	"
2	Grasshoppers exposed to diseased cage 500	" "	" 22	"
3	" as check on 502	" "	" 22	"
4	Squash bugs inoc. from diseased grasshoppers	" "	" 27	"
5	" " " as check on 504	" "	" 27	"
6	Grasshoppers exposed to current of air from diseased squash bugs	" "	" 27	"
7	Squash bugs " " " " " " grasshoppers	" "	"	"

REMARKS.	Accession Numbers.
Infect bugs from stock breeding cage. Lg. breeding cage. End Pasteur	23034, 23033.
" " " " " " " "
Glass tumbler, moist conditions, infect bugs as in 469 (two jars a and b) End (See).
" " " " " " " "
Small breeding cage, dry conditions. Infect bugs as in 469 " Pasteur
" " " " " " "
" " " " Infect bugs as in 469 " See Notes
" " " " " " "
Glass tumbler, moist conditions, dead bugs from [illegible] End [illegible]
" " " " " " " " 472, Secondary Check " "
" " " " No milk whatever " "
" " " " dead bugs from 471 (two jars, a and b.) " Pasteur
" " " " " " " " 472, secondary check " "
" " " " [illegible]
Cultures from sick bugs from 469 " End. Pasteur. See 499
Cult. sec. by Lendner (France), taken from Melolontha vulgaris 2nd growth 23134
" " " " " " " " Pachytylus migratorius. " "
" " " " " " " " [illegible] " "
" " " " " " " " Anisoplia austriaca " " " 23133
Glass tumbler moist sand, cork top, food supplied End [illegible]
" " " " " " " " " "
" " " " " " " " " "
" " " " of c (two tumblers a and b, see notes) " " 23133
" " " " " " (" " a " b) " "
Evenmeyer Black Shore from 2 1/2 [illegible] " "
Healthy bugs from the check 7/5 " Pasteur
" " " " " " 4/5 " "
" " bring same lot used as check 345. End. Pasteur
Shore from 211 3 one remove " Repeat
" " " " " " As check on many temp. [few or single growth areas] to showing "
Sick bugs from 469 End Check
For study of the disease. Insects sent from Colorado Lg See notes 23052
Sick insect from 500 End See notes.
Healthy grasshoppers from Univ. grounds " 23058, 23059, (23061 from 23060) 23060, 23062, (23063 from 23062)
" " " " " " (Lab. as check on 506)
Diseased insects from 500 End
From healthy Lab. stock cage "
Part of the insects from check 503. Dead bugs from 469
" hoppers " 500

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 1915	EXPERIMENTOR.
508	Fresh growing Spore glob. subjected to 95°F for 6 hrs on 2 succesive days.	Bact. Lab.	Aug 17	Duggar
9	" " " " " " " 95°F " 6 " " 4 " "	" "	" 17	" "
510	" " " " " 115°F " 6 " " 2 " "	" "	" 27	
1	" " " " " 105°F " 6 " " 4 " "	" "	" 27	"
2	" " " " " 105°F " 3 " " 2 " "	" "	" 27	"
3	" " " " " " 105°F " 3 " " 4 " "	" "	" 27	"
4	" " " " " " 115°F " 6 " " 2 " "	" "	" 14	"
5	" " " " " " 115°F " 6 " " 4 " "	" "	" 14	"
6	" " " " " " 115°F " 3 " " 2 " "	" "	" 14	"
7	" " " " " " 115°F " 3 " " 4 " "	" "	" -	"
8	" " " " " " 125°F " 1 " " 2 " "	" "	" -	"
9	" " " " " " 125°F " 1 " " 4 " "	" "	" 7	"
520	" " " " " " 125°F " 3 " " 2 " "	" "	" 21	"
1	" " " " " " 125°F " 3 " " 4 " "	" "	" 21	"
2	" " " " " " 125°F " 1 " " 2 " "	" "	" 26	"
3	" " " " " " 125°F " 1 " " 4 " "	" "	" 21	"
4	Spores of Spore glob. exposed to 115°F for 6 hrs. on 2 succesive days, dry heat	"	" 14	"
5	" " " " " " " 115°F " 6 hrs " 4 " " " "	"	" 14	"
6	" " " " " " " 115°F " 3 " " 2 " " " "	"	" 14	"
7	" " " " " " " 115°F " 3 " " 4 " " " "	"	" 14	"
8	" " " " " " " 125°F " 3 " " 2 " " " "	"	" 21	"
9	" " " " " " " 125°F " 3 " " 4 " " " "	"	" 21	"
530	" " " " " " " 125°F " 1 hr " 2 " " " "	"	" 21	"
1	" " " " " " " 125°F " 1 " " 4 " " " "	"	" 21	"
2	Mycelium of " " " " " 95°F " 6 hrs " 2 " " , agar tube	"	" 14	"
3	" " " " " " " 95°F " 6 " " 4 " " " "	"	" 14	"
4	" " " " " " " 105°F " 6 " " 2 " " " "	"	" 27	"
5	" " " " " " 105°F " 6 " " 4 " " " "	"	" 27	"
6	" " " " " " 115°F " 6 " " 2 " " " "	"	" 17	"
7	" " " " " " 115°F " 6 " " 4 " " " "	"	" 15	"
8	" " " " " " 115°F " 3 " " 2 " " " "	"	" 17	"
9	" " " " " " 115°F " 3 " " 4 " " " "	"	" 15	"
540	" " " " " " 125°F " 1 hr " 2 " " " "	"	" 17	"
1	" " " " " " 125°F " 1 " " 4 " " " "	"	" 15	"
2	" " " " " " 125°F " 3 hrs " 2 " " " "	"	" 26	"
3	" " " " " " 125°F " 3 " " 4 " " " "	"	" 21	"
4	" " " " " " 125°F " 1 hr " 2 " " " "	"	" 26	"
5	" " " " " " 125°F " 1 " " 4 " " " "	"	" 21	"

REMARKS.	Accession Numbers.
Stain in water began to show from 2 1/2 to 3 days. No growth	
" " " " " " 2 1/2 one remove	" " "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	Two areas of "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
" " " " " " 2 1/2 " "	" "
Spores heated on slide, then sown in agar. Stains from 2 1/2 " "	Good "
" " " " " " " " " " 2 1/2 " "	" "
" " " " " " " " " " 2 1/2 " "	" "
" " " " " " " " " " 2 1/2 " "	" "
" " " " " " " " " " 2 1/2 " "	enormous "
" " " " " " " " " " 2 1/2 " "	No 1 "
" " " " " " " " " " 2 1/2 " "	enormous "
" " " " " " " " " " 2 1/2 " "	No 1
Growth of about 2 1/2 days " " 2 1/2 " "	" No "
" " " " " " " " 2 1/2 " "	" "
" " " " " " " " 2 1/2 " "	" "
" " " " " " " " 2 1/2 " "	Few " "
" " " " " " " " 2 1/2 " "	" "
" " " " " " " " 2 1/2 " "	Good " "
" " " " " " " " 2 1/2 " "	One area " "
" " " " " " " " 2 1/2 " "	Good " "
" " " " " " " " 2 1/2 " "	Few areas " "
" " " " " " " " 2 1/2 " "	No " "
" " " " " " " " 2 1/2 " "	" " "
" " " " " " " " 2 1/2 " "	" " "
" " " " " " " " 2 1/2 " "	" " "

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
546	Squash bugs inoc. with spotted bacteria from 499	Ent. Lab.	Aug 23	Duggar
1	" " check " 546	"	" 23	
2	Growth of Bacillus from 499 on Bouillon	"	" 28	
1	" " " " " and Green Corn decoct	"	" 28	
550	" " " " " " Squash leaf "	"	" 28	
1	" " " " Green corn decoction	"	" 28	
2	" " " " Squash leaf "	"	" 28	
3	Chinch-bugs inoc. with Isaria Apachytilis Ed.	"	Sept. 2	
4	" " " " " "	"	" 2	
5	" " " " volitans "	"	" 2	
6	" " " " " "	"	" 2	
7	" " " " farinosa Fayod	"	" 2	
8	" " " " " "	"	" 2	
9	" " " " cochliosa Ed.	"	" 2	
560	" " " " " "	"	" 2	
1	" " " " Arnouldi "	"	" 2	
2	" " " " " "	"	" 2	
3	" " " " ovalispora "	"	" 2	
4	" " " " / " "	"	" 2	
5	" " " " —/—	"	" 2	
6	" " —/— — —	"	" 2	
7	" " " Isaria destructor Metch.	"	" 2	
8	" " " " " "	"	" 2	
9	" " " " densa	"	" 2	
570	" " " " "	"	" 2	
1	" " " Spor. globs.	"	" 2	
2	" " " " "	"	" 2	
3	" untreated as check	"	" 2	
4	" " " "	"	" 2	
5	Testing for toxic effect of fluid Cult 548 on Diuretes discolor	"	" 6	
6	" " " " " " " 549 " " "	"	" 6	
7	" " " " " " " 550 " " "	"	" 6	
8	" " " " " " " 551 " " "	"	" 6	
9	" " " " " " " 552 " " "	"	" 6	
580	" " " " " Cult 499 " " "	"	" 6	
1	" " " " " " 499/1 " " "	"	" 6	
2	" " " " " " 501/1 " " "	"	" 6	
3	Grasshopper inoc. with supposed bacterial disease	"	" 11	
4	" " " Squash-bug Bacillus	"	" 11	

REMARKS.	Accession Numbers.
Erect. [illegible]	
Large [illegible]	
Bacteria from 1st dil. with 4 9/1, large fan-like [illegible] " (See notes)	23077
" " " " " " " " " "	23078
" " " " " " " " " "	23079
" " " " " " " " " "	23080
" " " " " " " " " "	
Material sent by Lloyd, See letter of Aug. 9-95 (A) Kept moist. End	
ac. no 23076 (A) Moist to dry "	
ac. no. 23077 (B) Kept moist "	
ac. no. 23077 (B) Moist to dry "	
ac. no 23078 (C) Kept moist "	
ac. no 23078 (C) moist to dry "	
ac. no. 23079 (D) Kept moist "	
ac. no. 23079 (D) Moist to dry "	
ac. no. 23080 (E) Kept moist "	
ac. no. 23080 (E) Moist to dry "	
ac. no. 23081 (F) Kept moist "	
ac. no. 23081 (F) Moist to dry "	
ac. no. 23082 (H) Name not interpreted Kept moist	
ac. no. 23082 (H) name not interpreted Moist to dry "	
ac. no. 23083 (K) Kept moist "	
ac. no. 23083 (K) moist to dry "	
" " " LeMoult ac. no. 23085 Kept moist throughout "	
" " " " ac. no. 23085 " then dry "	
Spores from 211° one minute " throughout "	
" " " " " " then dry "	
Moist throughout "	
" then dry "	
Cult. used without dilution End, Doubtful	
" " " " " " "	
" " " " " " "	
" " " " " " "	
" " " " " " "	
No. of colonies diffused in Dt. H_2O. " Positive	
Growth " " " " " "	
" " " " " Doubtful.	
Bacteria from 501, one minute " Negative	
" " " 499 " Doubtful positive	23081

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
5	[illegible] from diseased grasshoppers	[illegible]	[illegible] 11	[illegible]
6	" " tick Squash bug	" "	" " 11	"
7	[illegible] ck on bees preceding	" "	" 11	"
8	Spraying squash-bugs with infusion from diseased Sq. bugs	Hort. Dept.	" 17	"
9	Chick bugs exposed to Ent. sphaerica spindle	Ent. Lab.	" 16	"
590	Separation culture of Cabbage worm micrococcus	" "	" 19	"
Eggd. 1	Cult. Spor. glob. on Corn meal wet with sol. of 8 grms Na_2CO_3 to 100 cc Sug. Sol	Ent. Lab.	Aug 14-95	Duggar
2	" " " " " " 8 " " 100 cc " "	" "	" 14	"
3	" as check " " " " " " " 8 " " 100 cc " "	" "	" 14	"
4	Spor. glob. " " " " " " " 4 " " 100 cc " "	" "	" 14	"
5	" " " " " " " " 4 " " 100 cc " "	" "	" 14	"
6	" as check " " " " " " " " 4 " " 100 cc " "	" "	" 14	"
7	" Spor. glob. " " " " " " " 2 " " 100 cc " "	" "	" 14	"
8	" " " " " " " " 2 " " 100 cc " "	" "	" 14	"
9	" as check " " " " " " " 2 " " 100 cc " "	" "	" 14	"
600	Larva taken from Gideon crab-apple for adult	Ent. Lab.	Aug. 6, 95	Johnson
1	Fungus-mites treated with ordinary working soln	"	"	"
2	[illegible] h-bug eggs " " Spor. glob.	" "	"	"
3	[illegible] check on 602	" "	"	"
4	[illegible] - 3 hours	"	"	"
5	[illegible] 6	"	"	"
6	[illegible] 9 "	"	"	"
7	" " " 12 "	"	"	"
8	" " " 15 "	"	"	"
9	" " " 18 "	"	"	"
610	" " " 21 "	"	"	"
1	" " " 24 "	"	"	"
2	" " " 27 "	"	"	"
3	" " " 30 "	"	"	"
4	" " " 33 "	"	"	"
5	" " " 36 "	"	"	"
6	" " " 42 "	"	"	"
7	" " " 48 "	"	"	"
8	" " " 54 "	"	"	"
9	" " " 60 "	"	"	"
620	" " " 66 "	"	"	"
1	" " " 72 "	"	"	"
2	Check on 604 to 621 inclusive; also on 625 & 633	"	"	"
3	Two ears of corn infested by G. cinctellus + S. surinamensis	"	"	"

REMARKS.		Accession Numbers.
Lice[illegible] stoppers from cage 500	Ends. Negative	23052.
" bugs from a Lab. Breeding Cage (see notes)	" Probable [illegible]	23053
Lot pieces from cage supposed to be [illegible]	"	23057. -23054, 23056, (23055 from 23054), 23058 from 23056)
Diseased bugs from 469 and from another Lab. Br. Cage.	Ends. Partial success	23038, 23037, 23039, 23111.
Infected bugs " Coll. by W. G. J. near Vandalia	" Very slight result.	
Petri dishes nutr. agar. Worms from Fort. West.		23119
Spores from 21lbs [illegible]	Ends. Many growth	
" " infected chinch bugs - contagium box.	" " "	
" sporus sown. To note effect on moulds	" " "	
Spores from 3lbs [illegible]	Elight contm. growth	
" " infected chinch bugs - contagium box	" " "	
No spores sown. To note effect on moulds	" Weak mould "	
Spores from 1lb [illegible]	" Some growth but contm	
" " infected chinch bugs - contagium box	" " " " "	
No spores. To note effect on moulds.	" Much mould growth	
Result, negative. No notes or nothing received		
Spores from Expt 279 (pure cult.)		23031 [illegible] 23032 [illegible]
Good results		
"		
"		
"		
"		
"		
"		
"		
"		
"		
"		
"		
"		
"		
"		
"		

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
624	Chionaspis americana for adult [illegible]	[illegible]	[illegible]	Johnson
5	Chinch-bug egg immersion 96 hours, 4 days	"	" 10 "	"
6	" " " 120 " 5 "	"	"	"
7	" " " 144 " 6 "	"	"	"
8	" " " 160 " 7 "	"	"	"
9	" " " 192 " "	"	"	"
630	" " " 216 " 9 "	"	"	"
1	" " " 240 " 10 "	"	"	"
2	" " " 264 " "	"	"	"
3	" " " 288 " "	"	"	"
4	Chionaspis furfurus on apple twigs for [illegible]	"	12	"
5	Chinch-bug eggs buried 1 inch in earth	"	"	"
6	" " " 2 " " "	"	"	"
7	" " " 3 " " "	"	"	"
8	" " " 4 " " "	"	"	"
9	" " " ; check on Temp. Eggs.	"	"	"
640	" " [illegible]	"	13	"
1	" " check on 640	"	"	"
2	Leucopis insidiosus [illegible]	"	15	
3	Chionaspis salicis on willow twigs for note &c.	"	20	"
4	Chinch-bug eggs immersed the entire period of incubation	"	20	"
5	[illegible]	"	"	"
6	Trogosita mauritanica to test carnivorous habits of adult	"	"	"
7	" " " " " " " " " larvae	"	"	"
8	[illegible]	"	"	"
9	unknown larvae from flour for adult	"	"	"
650	Weevil-infested flour from Toledo (O.) Grain & Milling Co	"	"	"
1	" " " " Acme Mills, Olean, N.Y.	"	"	"
2	Aspidiotis aurantius on Eng. oak for parasites, &c.	"	21	"
3	Chionaspis pinifoliae for & & parasites &c.	"	"	"
4	Temp. tests with chinch-bugs various stages 24 hrs. at 114° F	"	22	"
5	" " " " " " " 24 " " 114° F	"	"	"
6	" " " " " " " 24 " " 110° to 126° F	"	"	"
7	" " " " " " " 24 " " 110° to 126° F	"	"	"
8	2 doz. glob. test on chinch-bug eggs.	"	"	"
9	Check on 658	"	"	"
660	Temp. test with chinch-bug 1st + 2nd molt, moist test for 1/2 hrs. at 130° to 133° F	"	24	"
1	" " " " " " " " " 1 1/2 " " 134° to 139° F	"	"	"
2	" " " " " " " " " 1/2 " " 139° F	"	"	"

REMARKS.	Accession Numbers.
	29447, 21462, 21481.
...water Temp. 78½° F Good results	
81°.	
	21454.
Good results	
...results as noted; End Aug 19.	21482.
...Mrs Jackson, Godfrey. Ill.	29448
...ll hatched except one, which at no time showed traces of fertility. Time 15 days + 22¾ hr..	
" " and in good cond. Time 15 days.	
	29449, 21488, 21491, 21549.
	21492.
...twist kept; all alive	
" " "	
" " "	
" " "	
...forms from 211°; Eggs from 259 - End Sept. 7 see notes	21505.
" " " " " "	
...ll dead except eight	
...ll dead	
...ll dead	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
663	Temp. test chinch-bugs 1st & 2nd molt 7 hrs at 122°F Ent.	Lab.	Aug. 26 95	Johnson.
4	" " " " " " 7 " " "	"	"	"
5	" " " " " " 3¾ " 125°F	"	"	"
6	" " " " " " 3¾ "			
7	" " " " " " 2 " 129°&137°F	"	27	"
8	" " " " " " 2 " " " "	"	"	"
9	" " " " " " ½ " " 135°	"	"	"
670	" " " " " " ½ " " "	"	"	"
1	" " 2 " " 135°	"	"	"
2	" " ½ " 125°-128°	"	"	"
3	" " ½ " 134°	"	"	"
4	" " ½ " 134°	"	"	"
5	" " ½ " 128°-132°	"	Aug 28	"
6	" " ½ " 128°-132°	"	"	"
7	" " 1 " 125°	"	"	"
8	" " 1 " 125°	"	"	"
9	" " 1 " 124°-130°	"	Aug. 29.	"
680	" " 1 " 124°-130°	"	"	"
1	" " 4 " 115°	"	"	"
2	" " 4 " 115°	"	"	"
3	" " 3 " 120°	"	Aug 30	"
4	" " 3½ " 120°-122°	"	"	"
5	" " 2 " 120°-123°	"	"	"
6	" " 2½ " 120°-123°	"	"	"
7	" " 2 " 128°	"	"	"
8	" " 2 " 128°	"	"	"
9	" " 3 " 122°	"	"	"
690	" " 36 " 113°	"	Sept 2	"
1	" " 20 " 116⅗°	"	"	"
2	" " 20 " 116⅗°	"	"	"
3	" " 6 " 118⅘°	"	"	"
4	" " 6 " 118⅖°	"	Sept 3.	"
5	" " 1 " 120⅕°	"	"	"
6	" " 1 " 120⅕°	"	"	"
7	Temp. records taken in various places in field	Univ. Farm	Aug. 13	"
8	" " " " "	"	Aug 27	"
9	Cherry scale Aspidiotus forbesi on cherry for adult ♂	~~Ent. Lab.~~	Apr. 18, 96	"
700	Buckeye scale " aesculi on buckeye from bal for ♂ parasite	" "	Apr. 3. 96	"
	Oyster shell Bark louse on apple from New Richmond for parasites	" "	March 27. 96	"

	REMARKS.	Accession Numbers.
atmosphere moist		
" dry		
" moist		
" dry		
" moist		
" dry		
" moist		
" dry		
moist		
dry		
moist		
dry		
moist		
dry		
moist - all alive.		
dry — all dead.		
moist - all alive.		
dry — all dead.		
dry — all dead.		
moist - all alive.		
dry — all alive		
dry — all dead (all stages represented)		
" - all dead except 3 pupæ.		
moist. all dead except 1 adult, 3 pupæ and 1 ♂ 2nd molt, (50 used).		
" " " " 2 " 6 " " 1 " " " " .		
dry " " (50 in all stages represented).		
" " " "		
" " " except 1 adult + 3 pupæ) 115 bugs in all stages used.		
moist all alive (100 in all)		
" all dead " " "		
dry " " " " "		
moist " " " " "		
dry " " " " "		
moist all alive " " "		
dry " " " " "		21603, 21609.
♂ emerged apx 20.		21610.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
✓ 702	Dipterous larvæ from wheat stems for adults	Ent. Lab.	May 16, 96	Johnson
✓ 3	" " (___ . ___); " " " " "	"	"	"
✓ 4	Eggs of lepidop. on elm (=Grapta interrogationis) " "	Insectary		"
5	Hymenopterous cocoons from plowed ground	Ent. Lab.	May 6 96	"
6	White grubs from old bluegrass sod Univ. grds for adults	Insectary	Apr. 23 "	"
7	" " " old sod " " " "	"	" "	"
8	Larvæ in earth from my door yard - " "	"	May 9 "	"
✓ 9	Aspidiotus ancylus on Eng. oak Univ. grds for parasts	Ent. Lab.	June 1 "	"
✓ 5710	Chinch-bug contagion box with Squash-bug Bacterium	Ent. Lab.	Aug. 31, 95	Johnson
1	" " " " " "	"	"	"
✓ 52	" " " " Sporo. glob.	"	"	"
✓ 3	Larvæ of the Med. Flour-moth (E. kuehniella) for adults & other notes	"	Sept. 2	"
✓ 4	Larvæ & adults of Weevils for notes &c.	"	" "	"
✓ 5	Larvæ & adults of Bolting-cloth beetle (T. californica Horn) for notes &c.	— "		
✓ 56	Field test of pure culture of Spor. glob. on Ch-bugs.	Univ. Exp Sta.	" 4	"
✓ 57	Chinch-bug contagion box with Grasshopper Bacterium	~~Ent. Lab.~~	" 9	"
✓ 58	An attempt to inoculate ch-bugs with Entomophthora aphidis	—	" 16	"
✓ 59	Field attempt to infect ch-bugs in corn stocks with Spor.	Univ. Exp Sta	" 19	"
✓ 5720	Chionaspis salicis on willow twigs for notes &c.	~~Lab.~~	" 20	"
✓ 1	Larvæ from a mill product for adult & notes (Ins. Life p. 713) with Calechia cruciatella	"	" 3	"
✓ 2	Hadrobracon (Braem) hebetor placed in B.C. 2107 for Com infesting	"	" 24	"
✓ 3	Chionaspis (sp ?) on Yam pom fruit for adult ♂ & parasites	"	" "	"
✓ 4	Aspidiotus (sp ?) on Banana plant " " parasites &c	"	" "	"
✓ 5	Larvæ & Med. flour moth E. kuehniella for adults & notes	"	" 25	"
✓ 6	Aspidiotus (sp ?) on palm pom fruit for adult ♂ & parasites	"	" "	"
✓ 7	Rose midge larvæ on rose bush (leaves)	"	" "	"
✓ 8	Insect infested wheat from St. Paul, Ind. for notes &c.	"	" 28	"
✓ 9	Larvæ found feeding on purslane; b.c for adults &c.	"	" "	"
✓ 5730	Insects in mill product from Bunesteel & Turner, Springfield, S. D.	"	Oct. 1	"
✓ 1	" " " stored oats from Massey Bros. Atkinson, Ill. (Silvanus surinamensis)	"	" 7	"
✓ 2	To test the effect of Spor. glob. & Ento aphi on hybernating chinch-bugs	Insectary	" 12	"
✓ 3	Lepidopterous larvæ from under alcohol tank in basement for adults	Lab.	Nov. 12	"
✓ 4	Larvæ found in basement of mill (Tonawanda, N.Y.) for adults &c.	"	" 18	"
✓ 5	Osage orange twig with Hymen. larvæ for adults	"	" 26	"
✓ 6	Oyster-shell Bark-louse on apple twigs from Du Quoin, Ill. for parasits &c.	"	Dec. 4 95	"
✓ 7	Apple Bucculatrix from Du Bois Nursh. Co. Ill. on apple twigs for parasites &c.	"	" 18 "	"
✓ 8	American meal worm from oats bin (Edgewood, Ill) for adults &c.	"	" 19.	"
✓ 9	Diaspis rosæ on rose from Irrigonville, Ill. Jan. 96	"	Jan. 10 96	"
✓ 5740	Dipterous larvæ in orange for adults &c.	"	" " "	"

REMARKS.	Accession Numbers.
Chartopsis aruana (Wied).	21626 = larvæ, pup. + adlts. 21630 = adlts.
	21627 = larv 21628 - pup. 21631 adlts.
See notes	21621 = eggs; 21633 = larvæ; 21634 = chrysalid; 21632 = adults
Sent by Saml Bostley, Edgewood. May 6, 96 (See notes)	21636 = pupæ + cocoon
	21644 = gnats.
	21645 = "
	21646 = larvæ
Infusion made from Exp. 499 (series 1) one tube.	23036
Infected with 12 dead squash-bugs from Exp. 474	23092, 23071.
" " agar tube cult. 395 (pure) Ended Oct. 12, 95 Contents used prior? 32	20715, 21556, 21567.
From S. F. Cal	21524, 21525, 21527, 21538, 21566,
" " "	21591.
" " "	
Two test tubes, pure culture 211 3 one minor. Ended Sept. 30. Results	
Infusion, new, from Exp. 501 one minor: 3 tubes	21509, 21511.
Material used collected at Vacaville in comfield. Sept. 14 by Johnson	
Put 3 tubes (pure culture of Spiro. glob.) pure 211 3 one minor.	
Twigs from Urbana (Boyston Cake)	21550.
From Cedar City, Utah (P. O.) Utah.	
To see if this parasite will attack and colony in the Aug. grain-moth.	
	21539, 21551, 21552, 21565, 21613,
	29450, 21542, 21544, 21564,
Material from Valleyfield, Quebec, Canada - (See letter of G. H. Atkinson)	21[illegible], 21577.
	29456, 21543, 21545, 21557,
From Jos Novak, Chicago, see letter Sept. 11, 95	21548
contains S. cerasamensis + larva and larva of T. mauritanica.	
Sent by E. H. Bigelow, Grenville, Ill. (Menard Co.)	21555
Contained: (1) Cadelle, (2) flour weevil, (3) grain weevil, + (4) black carpet beetle.	21559-21563.
For original note, on this, see Exps. 112 + 718	
	21576.
Two species represented	21540 21592, 21605.
	21591, 21617.
	29451, 21596, 21597.
	29452, 21606.
	29453
Specimen from P. J. Barrel:	(3 larvæ) 21585, 21590, 21601.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
1 74	Scale insects (Leucanium & Aspidiotus) on Hackberry (Celtis occidentalis) for parasites.	East St L.	Jan. 15, 96	Johnson.
1 75	Inoculation affecting chinch-bugs & hibernating generation in spring	" "	Mch. 31, 96	"
3	" " "	"	"	"
4	" " "	"	"	"
5	" " "	"	"	"
6	" " "	"	"	"
7	" " "	"	Apr. 1, 1896	"
8	" " "	"	"	"
9		"	"	"
1 75		"	"	"
1		"	"	"
2		"	"	"
3		"	Apr. 3	"
4		"	"	"
5		"	"	"
6		"	"	"
7		"	"	"
8		"	Apr. 15	"
9		"	"	"
2		"	"	"
1		"	"	"
2		"	Apr. 10	"
3		"	"	"
4		"	"	"
5		"	"	"
6		"	Apr. 9	"
7		"	" 10	"
8		"	" "	"
9	For determination of exact time of oviposition of chinch-bugs of hibernating generation in insectary		Apr. 17, 96	"
10	" " length of life of hibernating generation.	"	"	"
1	No of eggs deposited by ♀ chinch bug of hibernating generation	"	"	"
2		"	"	"
3		"	"	"
4		"	"	"
5		"	"	"
6		"	"	"
7	Field Exp. in wheat with Spro. glob on corn meal, chinchbugs	Univ. Exp. Sta.	From May 23, 96	"
8	Corn flea-beetles from morning-glory	Harristown, Ill	Jun 4, 1909	Tanquary
9	Tipulid larvae from oat field	Carlyle, Ill.	Apr. 16, 1910	A. G Vestal

REMARKS.	Accession Numbers.

Specimen slide 21583, 21584, 21586; Aspergillus slide 29454

See notes.

3 lots of 6 each floated on surface of water in saturated atmosphere.

" " " " open air.

" on damp earth in saturated atmos, without food.

" " " " " open air.

" in empty glasses, with no moisture; glasses covered with glass plate

" " 3/8 inch tubes with swiss muslin over either end.

Immersion in rain water 21 hrs. Temp. 70°F. - ♂ moved; [illegible] 6.

" 23 " " " " " " " "

" 26 " " " " " " " "

" 28 " " " " " " " "

" 31 " " 15 out of 16 moved " " "

" 35 " " 16 " " 18 " " " 8.

" 37 " " 17 " " 18 " " " .

" 39 " " 9 " " 18 " " " 9.

" 42 " " 6 " " 9 " " 10. (Only 2 cages, used; 6+3

" 45 " " 6 " " 12 " " " " bench used.

" 48 " " 3 " " 18 " " 20

" 50 " " 8 " " 18 " " "

" 52 " " 5 " " 18 " " "

" 54 " " 10 " " 33 " " 18

" 56 " " 1 " " 16 " " 14

" 58 " " 0 " " 18 " " 12

" 59 " " 1 " " 18 " (no ♂ legs only).

" 60 " " 0 " " 18

" 70 " " 1 " " 36 (moved legs only)

" 72 " " 2 " " 30 (moved legs only)

" 99 " " 1 " " 36 (moved legs only)

4 ♀♀ + 4 ♂♂
5 ♀♀ + 5 ♂♂
1 ♀ + 1 ♂♂
"
"
"
"
"
} Results negative (See notes)

1 pan spore glob. in fouling cond., wheat broken down, bag quite obdt.

" 42101.

A. A. Girault, coll. 43141

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
780	Lepidopterous eggs on Carolina poplar	Litchfield, Ill.	Apr. 20, 1910	A. G. Vestal
1	Katydid eggs on twig of Carolina poplar	" "	" " "	"
2	Tipulid larvae from plowed field	Golconda, "	" 19 "	"
3	" " under clods in plowed sod	" "	" 20 "	"
4	" " + pupae from cornfield following Syrsod	" "	" " "	"
5	" " investigation	Southern "	" — "	"
6	" " from same field as 784	Golconda "	" 20 "	
7	Corn flea-beetles from poplar & corn	Normal, Ill Harristown, "	June 3-4, 1909	Sanguary
8	Agrotis bicarnea, larvae, for adults.	Urbana, Ill.	Apr. 14, '97	C. C. Adams
9	Sphaerostilbe coccophila Tul.	Ent. Lab.	Mar. 23, '98	E. B. Forbes
790			" " "	" "
1			Apr. 1 "	"
2			2 "	" "
3	" " "	" "	" " "	" "
4			4 "	"
5	" " "	" "	" 4 "	
6	" " "	" "	" 5 "	
7			6	
8			"	"
9			8 "	"
800	Chinch-bugs kept 12 hrs in cyanide bottle nine with Spon. glob.	Ent. Lab.	Sept 15-95	Duggar
1	" " 3 " " " " " " " " " "	"	" 15	"
2	" " 1/2 hr " " " " " " " " "	"	" 15	"
3	" " 10 mins " " " " " " " " "	"	" 15	"
4	Inocl. of 24 hr culture chinch-bugs with dead squash bugs	"	"	"
5	Inocl. of 1 " chinch-bugs with old dilution cult from 469	"	"	"
6	" " " " " " old pure cult. sq. by Bacillus	"	"	"
7	" " " " " " fresh pure " " " "	"	"	"
8	" " " " " " old " " grasshopper	"	"	"
9	" " " " " " dead (diseased?) chinch bugs	"	"	"
810	chinch-bugs untreated as check on 804-809	"	"	"
1	Inoc. of Squash-bugs with dead bugs from #6.	"	" 21	"
2	" " " " (old) Dilution cult. Sq. by Bacillus	"	" 21	"
3	" " " " (") pure " " " " "	"	" 21	"
4	" " " " " " " " " " (old)	"	" 21	"
5	" " " " fresh " " " " "	"	" 21	"
6	" " " " infusion from diseased chinch-bugs	"	" 21	"
7	" " " " old pure cult. from grasshopper	"	" 21	"
8	" " " " " " " " "	"	" 21	"

REMARKS.	Accession Numbers.
Sent by H. Hood	43160, 43161, 44041, 44048,
" " " "	44232,
A. A. Girault, coll.	43140,
" " " "	43142
" " " "	43143, 43919, 43922, 43935, 43938, 43955, 43940,
" " " "	
Taken at night by Girault	43146, 43939, 43971, 44211,
	44159?
	29488
Inoc. from Exp. 1035; Ac. gel. separation.	
Alk. " "	
Inoc. from 25-25-1 Ac. gel. tubes	
" Exp. 1035; " " "	
" " 25-25-1 " separation	
" " " sugar "	
" 25-247 Alk. gelatin "	
" " Ac. " "	
" 25-25-1 " " "	
" 25247 " Alk. gelatin "	
Spore [illegible] 2 1/3 [illegible]	[illegible] th
" " " 1/3 " "	"
" " 2 1/3 " "	" 23045, 23046
" " 2 1/3 " "	"
Infct. from 4[illegible]7	End. Slight "
Infct. from cult. 499	End. No. "
" " " 499/ two weeks old	End. " "
" " " 499/1 one da. old	" Slight "
" " " 501/1 2 wks.	" Slight "
" " dead chick (egg [illegible]	" Slight "
"	"
Ptd. Boys dead [illegible]	End. Good result
Infection from cult. [illegible]	" Slight "
" " " 499/1 three weeks old	" Fair "
" " " 499/1 [illegible] week "	" Fair "
" " 499/2 " day old.	" Good " 23113.
" " Exp. 804	" Slight "
" " Cult 501/1 three weeks old	" " "
" " " 501/2 one da. old	" " " 23112

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 1905	EXPERIMENTOR.
819	Inocl. of squash bugs with infusion from diseased grasshoppers	Ent. Lab	Sept 21	Rugger
820	" " " " " " " " "	" "	" 21	"
1	Squash-bugs as check on 811, and 817-820	" "	" 21	"
2	" " " " " 812 " 813	" "	" 21	"
3	Field test of squash-bug Bacillus on squash-bugs	" "	" 27	"
4	" " " " " "	" "	" 27	"
5	Gelatine [illegible]	" "	" 31	"
6	[illegible]	" "	" 31	"
7	[illegible]	" "	" 30	"
8	Gelatine culture of bacteria normal to [illegible]	" "	" 30	"
9	" " " Cylindrosphora [illegible]	" "	Oct 4	"
820	" " " Sporotrichum [illegible]	" "	" 4	"
1	" " " " " "	" "	" 4	"
2	" " " Squash-bug bacillus	" "	" 4	"
3	Gelatine culture " cabbage worm micrococcus	" "	Sept 30	"
4	Check bugs killed with Chloroform & inoc. with Sporo glob.	" "	" 31	"
5	Cut worms fed leaves sprayed with Cylindrosphora-Lakefungus	" "	Oct 2	"
6	Squash-bugs inoc. with Sporo glob. stung between & first legs of sternum	" "	Oct 9	"
7	" " " " " " under wing covers and in front	" "	" 9	"
8	" " " " " " along coxal joint of hind legs and connecting sutures	" "	" 9	"
9	" " " " " " central ventral aspect of abdomen	" "	" 9	"
840	Growth of Sporo. glob. on 50% sugar solution	" "	" 10	"
1	" " " " " " " " "	" "	" 10	"
2	Culture of Cladosporium parasiticum and host fungus on agar	" "	" 9	"
3	" " " on diseased leaves	" "	" 9	"
4	[illegible] days + [illegible] afterwards with [illegible]	" "	" 10	"
5	" " " " " " " " "	" "	" 10	"
6	" " " " " 3 days " " " " "	" "	" 10	"
7	" " " " " " " " "	" "	" 10	"
8	" " " " " throughout " " " " "	" "	" 10	"
9	" " " " " as check.	" "	" 10	"
850	" " " " " " after inoc. with Sporo glob.	" "	" 10	"
1	White grubs inocl. with infusion from diseased squash bugs	" "	" "	"
2	" " " " " " from 832	" "	" 11	"
3	" " " " " " " 494	" "	" "	"
4	" " " " " " " 494 2	" "	" 11	"
5	" " uninoculated as check on 851-54	" "	" 11	"
6	White grubs inocl. with infusion from diseased squash bugs	" "	" 11	"
7	" " " " " " " 494 2	" "	" 11	"

REMARKS.			Accession Numbers.
Transf. [illegible] from [illegible] 200	End.	Slight result	
" " " " 584	"	No "	23115.
	"	Positive	
	"	"	
Infection from dead bugs from 811-816.	"	Fair	23065, 23114.
" " from cult. 499/1, three were Koold.	"	Good	23066
Nutr. Agar, 4 dishes	End.	Doubtful	23091, 23092, 23103, 23108
Stab cult made from 499/1	"	Liquefying	
" " " " 521/1	"	Very slightly "	
[illegible]	End	Negative	
" " " Cult. from 2305-4	"	Positive	(Slide & paper box) 23090
" " " " " " 2305			
" " " " " " 23060			
" " 3 " " " " 814	End.	Positive.	23109.
" gelatine 2 tubes. " " 5790	End.	Now liquefying.	
Spores from 211-3 one remove	End.	Poor result	
" " Ac. No 2315-4	"	Negative	
Companion of effect & penetration. Spores from 211-3 one remove	End.	Negative	
" " " " " " " " 211-2 " "	"	"	
" " " " " " " " 211-3 " "	"	Positive	
" " " " " " " " 211-2 " "	"	Negative	
Spores from 211-3 one remove	End.	No growth	
" " Chinch bugs from contagion box 712	"	"	
" " Ac. No 23067	"	Positive	23073, 23094
" of Melanoplus from Ac. No 23067 Isaria densa from cult. 1101	End.	Positive	23089
Small jar cloth cover. Spores from 211-2 one remove	End.	[illegible]	
" " " " " " " " " "	"	"	
" " " " " " " " " "	"	"	
" " " " " " " " " "	"	"	
" " " " " " " " " "	"	"	
" " " " 160 inoculations	"	"	
" " " " Spores from 211-2 one remove. No growth	"	"	
Squash bugs from 8127c. 1.	End.	Fair result.	23074a
832 [illegible] cultures from diseased squash bugs	"	Bugs escaped	23074b
Cult. [illegible] 712	"	Fair [illegible]	23074c
" " 1 oz. "	"	" "	23[illegible]
	"	Positive 121	
Squash bugs from 8127c	"	Negative	
Cult. one day old.	"	"	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.		DATE. '95	EXPERIMENTOR.
858	Squabs as check on 856-857, 859-860	Lab.	Lab.	Oct. 11	Duggar
9	" " cabbage worms dissected	"	"	" 11	"
860	" " " " 5-90	"	"	" 16	"
1	Uninoc. cabbage worms under observation	"	"	" 16	"
2	Cabbage worms inocl. with infusion from 5-90	"	"	" 9	"
3	" " as check K	"	"	" 9	"
4	Check cabbage worms inocl. with blood from diseased cabbage worm	"	"	"	"
5	" " " " infusion from 5-90	"	"	" 1	"
6	" " as check in two preceding	"	"	" 1	"
7	Squash-bugs inocld with bacterial disease 24 hrs. after effect of toxic rigor	"	"	" 22	"
8	" " " " " 72 " " " " " "	"	"	" 22	"
9	" uninoculated after toxic rigor, as check on 867-68	"	"	" 22	"
870	" simply inocl. with bact. disease as check on 867-68	"	"	" 22	"
1	Sterilized squash bugs inocld with squash bug bacillus	"	"	" 3	"
2	" " treated " infusion sterilized sq. bug Bacillus	"	"	" 3	"
3	" as check	"	"	" 13	"
4	Comparative toxicity of successive inoculations from 449	"		" 2	"
5	Sq. Agar cult. of Squash bug Bacillus exp'd to 125°F for ½ hr. on 1 da	"	"	Oct. 29	"
6	" " " " " " " 125 for 1/2 hr on 2 suc das.	"	"	" 29	"
7	" " " " " " " 125° " 1 hr on 1 da	"	"	" 29	"
8	" " " " " " " 125° " 1 " " 2 suc. das	"	"	" 29	"
9	" " " " " " " 125° " 2 hrs. " 1 da	"	"	" 29	"
880	" " " " " " " 125° " 6 " " 1 "	"	"	" 29	"
1	" " " " " " " 115° " 1 " " 1 "	"	"	" 29	"
2	" " " " " " " 115° " 1 " " 2 suc. das	"	"	" 29	"
3	" " " " " " " 115° " 1 " " 4 " "	"	"	" 29	"
4	" " " " " " " 115° " 3 " " 1 da	"	"	" 29	"
5	" " " " " " " 115° " 3 " " 2 suc. das	"	"	" 29	"
6	" " " " " " " 115° " 3 " " 4 " "	"	"	" 29	"
7	" " " " " " " 115° " 6 " " 1 da	"	"	" 29	"
8	" " " " " " " 115° " 6 " " 2 suc. das	"	"	" 29	"
9	" " " " " " " 115° " 6 " " 4 " "	"	"	" 29	"
890	" " " " " " 105 3 " " 2 " "	"	Pitts.	" 15	"
1	" " " " " " " 105° " 3 " " 4 " "	"	"	" 15	"
2	" " " " " " " 105° " 6 " " 1 da	"	"	" 15	"
3	" " " " " " " 105° " 6 " " 2 suc. das	"	"	" 15	"
4	" " " " " " " 105° " 6 " " 4 " "	"	"	" 15	"
5	" " " " " " " 105° continuous (4 hrs)	"	"	" 15	"
6	Developing " " " " " " " 105 "	"	"	" 15	"
7					

REMARKS.			Accession Numbers.
	End.	Positive	
Cabbage worms from field	"	Negative	
Cult. 1 mo. old.	"	Slight effect.	23075-
Cabbage worms from field.			selection of blanks 23093, 2 weevil tubes 23116, 23103, 23106.
Cult. 5 9 0 / 1 now 3 mos. old.	End.	Open	
	"	Diseased	
Diseased bugs from 861	"	Negative	
Culture two weeks	"	"	
	"	"	
Inoc. from 832/1 (dead.) toxic from 499/2	"	"	
" " 832/1 " " " 499/2	"	"	
" toxic " 499/2	"	"	
Inocl. from 832/1	"	"	
Cult. material from 499/2	"	Good (See note)	
" " " 499/2	End.	See note	
	"	check	
499/2 — 499/10	End.	Relatively equal	
Tubs inocl. from 499/1. Mature growth expd.	End.	Good growth	
" " 0 " 199/1 " " " "	"	"	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	No	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	Good	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	Slight	
" " " 499/1 " " " "	"	No	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	"	
" " " 499/1 " " " "	"	"	
" " " 499/2 " " " "	"	Good	
" " " 499/2 " " " "	"	"	
" " " 499/2 " " " "	"	Good	
" " " 499/2 " " " "	"	"	
" " " 499/2 " " " "	"	" (pt.)	
" " " 499/2 " " " "	"	Slight " (as notes)	
" " " 499/2 Inocl'd. tube	"	Good " , 9 hrs.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.		DATE. 95	EXPERIMENTOR
897	Sq. bug agar cult. sq. bug Bacillus exptl to 95°F continuous (4 days)	Ent.	Lab.	Nov. 15	Duggar
8	" " " " " " " " " "	"	"	" 15	"
9	Separation cult on agar from blood of diseased cabbage worm			Oct 17	"
900	" " " " " mouth fluid			" 17	"
1	" " " " " "			" 19	"
2	Wireworms from corn-field	Harristown, Ill		Jun 4, 1909	M.C. Tanquary
3	Dipterous larvae from corn roots	Tampico	"	" 1 "	"
4	cult. Melanospora on filter paper on agar tube	"	"	Nov. 29	Duggar
5	" " " agar	"	"	" 29	"
6	Separation cult. of Bacteria isolated from cabbageworm	"	"	Dec. 2	"
7	" " " " " "	"	"	" 4	"
8	" " " " " "	"	"	" 9	"
9	Cult. Squash-bug Bacillus on sterile potato	"	"	" 9	"
910	" " " " broth in fermentation tube	"	"	" 19	"
1	Church-bugs, immature Spor. glob. subj'd. to 115°F dry heat 6 hrs in da	"	"	Oct. 31	"
2	" " " " " " " 115°F " 24 " 1 da	"	"	Nov 5	"
3	" " " " " " " 115°F " 3 " 4 sue. das	"	"	Oct. 31	"
4	" " " " " " " 115°F " 6 " 4 "	"	"	" 31	"
5	" " " " " " " 125°F " 3 " 1 da.	"	"	" 31	"
6	" " " " " " " 125°F " 6 " 1 da	"	"	" 31	"
7	" " " " " " " 125°F " 1 " 4 sue das	"	"	" 31	"
8	" " " " " " " 125°F " 3 " 4 " "	"	"	" 31	"
9	" " " " " dried out for 10 days at room temp.	"	"	Oct. 29	"
920	" " " " " " " 1 mo " " "	"	"	" 29	"
1	Growth of squash-bug Bacillus on nitrate solution	Ass.	Lab.	Feb. 18-96	"
2	6 Cut worms inocl'd with Spor. glob.	Iowa	Disease Lab.	March 11-96	"
3	Six " " " " Bacillus entomotopicon	"	" "	" 11-96	"
4	" " " as check on 922-23 & 925.			" 11-96	"
5	" " " inocl'd with Micrococcus:	"	" "	" 11-96	"
6	Twenty larvae of Bibio albipennis inocl'd with Spor. glob.	"	" "	" 11-96	"
7	" " " " " " " Bacillus entomotopicon	"	" "	" 11-96	"
8	" " " " " " " Micrococcus:	"	" "	" 11-96	"
9	" " " " " as check on 926-928	"	" "	" 11-96	"
930	Separation culture from Bibio larva	"	" "	" 14-96	"
1	" " " " " "	"	" "	" 16-96	"
2	Twenty larvae of Bibio albipennis inocl'd with Bacteria	"	" "	" 18-96	"
3	" " " " " " " "	"	" "	" 18-96	"
4	" " " " " " " "	"	" "	" 18-96	"
5	" " " " " as check on 932-34	"	" "	" 18-96	"

REMARKS.	Accession Numbers.
Spores from 499/2. Native growth exposed. End. Growth	
" " 499/2 Trechinoc'd. tub " " "	
Drowned larva from 861 " See notes	23103, 23104, 23105, 23106
" " " 861 " " "	
" " " " " "	
	41560, 42193,
	42170, 4221.
Spores from 842/2. (Without host). End.- No growth. No notes	
" " 842/2. (" "). " " " " "	
Inoc'd. from 899/1 End. Sporulation	23111,
" " 899/1a End. Failure	
" " 899/2 " See notes	
" " 899/2 End. [illegible] growth	
" " 499/2. To test for gas production. End. None	
Supinoc'd from 211/3 one remove End.- New growth on some	
" " " 211/3 " " " " " " " "	
" " " 211/3 " " " " " " " "	
" " " 211/3 " " " " " " " "	
" " " 211/3 " " " " " " " all	
" " " 211/3 " " " " " " " some	
" " " 211/3 " " " " " " " "	
" " " 211/3 " " " " " " " all	
" " " 211/3 " " " " " " " "	
" " " 211/3 " " " " " " " "	
Sub inoc'd from 499/4 " No reduction	
Spores from chinch-bug. " Positive	
Inft. material from 499/4 one mo. old. " End. Probably successful	23139.
" Negative	
Inft material from 899/1 (orig. cult. from diseased cab. larvae.) End Negative	
Spores from chinch-bug End Positive	23138
Inft. material from 499/4 one mo. old. " Negative	
Inft. material from 899/2 (orig. cult. from dis'd. cabbage larvae) End. Negative	
End. Check	
Dead larva from 928. End. Probably saprophytic org.	
" " " 929 " Negative	
Both yellow and white colonies of Exp. 930. Lav. imm. in infusion End Negative	
White colony out of Exp. 930. Larvae imm. in infusion " "	
" " " " " 930 " " " " " " "	
" Check.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
✓	[illegible]	[illegible]	[illegible]	
✓	" " " " " " "	"	" " 18-96	"
	Separation culture from church-bug (Spor. glob.)	"	" " 24-96	"
✓	From church-bugs from field, on moist sand	"	" " 26-96	"
✓	" " bug from field, which bug was infected with fungus	"	" " 26-96	"
✓	" church-bug " " , inocl'd with Spor. glob.	"	" " 26-96	"
✓ 2	Separation culture from cutworm	"	" Apr. 2-96	"
✓ 3	Mycelium culture of the Bacillus from 942	"	" " 8-96	"
4	" " " " " " 943	"	" " 8-96	"
✓ 5	Separation culture from dead church bugs	"	" " 8-96	"
✓ 6	Growth Spor. glob. on corn meal and milk	"	" " 1-96	"
✓ 7	Church-bugs dusted with Spor. glob	"	" " 9-96	"
✓ 8	Church-bugs caged for testing "spontaneous" appearance of Spor. glob	"	" " 15-96	"
✓ 9	" " " " " " " " "	"	" " 15-96	"
✓ 95	" " " " " " " " "	"	" " 15-96	"
✓	" " " " " " " " "	"	" " 15-96	"
✓ 2	Dead church-bugs on moist sand, for " "	"	" " 15-96	"
✓ 3	Church-bugs inocl'd with Spor. glob.	"	" " 21-96	"
✓ 4	" " " " " "	"	" " 21-96	"
✓ 5	" " " " " "	"	" " 21-96	"
✓ 6	Church-bugs for appearance of disease	"	" " 29-96	"
✓ 7	" " " " " "	"	" " 29-96	"
✓ 8	" " " " " "	"	" " 29-96	"
✓ 9	" " " " " "	"	" " 29-96	"
✓ 960	" " " " " "	"	" May 6-96	"
1	" " " " " "	"	" " 6-96	"
2	" " " " " "	"	" " 6-96	"
3	" " " " " "	"	" " 6-96	"
4	" " " " " "	"	" " 6-96	"
5	Church-bugs killed by heat and then dusted with Spor. glob.	"	" " 15-96	"
6	" " " " sprayed " " "	"	" " 15-96	"
7	" " " " dried " dusted " " "	"	" " -96	"
8	" " " " exp. 2½ hrs in cyanide & then " " " "	"	" " 15-96	"
9	Army worms (L. unipuncta) killed in hot water, dried, and dusted " "	"	" " 19 "	"
920	" " " " " " " " and infected with two boxes of spor. glob in corn meal.	"	" " 19 "	"
1	Transfer Culture, 499/6 Duggar	"	" June 6 "	Wilder
2	Transfer Culture 942/1 Duggar	"	" " " "	"
3	Transfer Culture 879/2 Duggar	"	" " " "	"
4	Separation Culture from growth on young church bugs	"	" " " "	"

REMARKS.	Accession Numbers.
White form of colony (See expts. 933+934)	End. Saprophyte: No notes
Yellow " " "	" " " "
Chinch-bugs from lab. cont.-box autumn '95.	End. Succes...
...ting for fungus growth on bugs from hibernat. condition	" . No. ...
...	...
...ting growth on such dead insects. Cf. 939.	...
...ulture from Exp. 923 ...	" ...
Comp... with B. entomophilus	...
" " " "	...
Bugs from sender, Grand, Centralia, Ill.	End. No growth.
Spores from 411 3/1 (211[3] one remov)	End. Good growth.
" " 947	
Bugs from farm of Judge Vaughan, Odin.	End. No growth on the aged bugs.
" " 1 mi east of Robinson, "	End. Doubt...
" " farm of Frank Loomis, Tonti.	" Slight ...
" " " " J. Heaver, "	" Spor. glob. in stock cage
" " " " " " "	End. No growth
Abundant moisture, darkness, no food.	" Negative:
Floating, open top.	End. About as in check
" closed "	"
Bugs from Amorsa	" Spor. glob. May 6
" " " Odin	" " " " 6
" " Edgewood (wheat)	" Spor. glob. " 6
" " " (Rose)	" " " " 6
" " Mattoon (oats, 1 mi S. of standpipe).	End. Spor. glob.
" " " (...r J. Funkhauser)	" " " "
" " " (...wheat, Wm George)	" " " "
" " " (Wheat, Wm Hackman)	" " " "
" " " (...wheat, city limits)	"
Spores from 938 1	
" " 928 1	
" " 928 1	
" " 928 1	

Do 939: nature of growth.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE. 96	EXPERIMENTO
5	Transfer Culture " n 487/1 " Duggar	Insect Dis. Lab	June 8	Wilder
(	" " " Isaria densa	" " "	" "	"
7	Young chinch bug killed with hot water	Tamaroa	June 15	Woodward
8	Transfer culture from 487/5 " Duggar	Insect Dis. Lab	" 24	Wilder
9	" " " Isaria densa	" "	" "	"
( )	Effect " light on growth " Sporo. globo.	" "	" "	"
1	Verification Exp 15 ff 104 Nineteenth Rept St. Ent	" "	" "	"
2	" " 19 " 106 " " " "	" "	" "	"
3	" " 20 " " " " " "	" "	" "	"
4	Separation culture from chinch bug	" "	" 30	"
5	Exp. 981 repeated	" "	July 8	"
6	" 982 "	" "	" "	"
7	" 983 "	"	"	
8	Verification " Exp 977.	" "	" "	"
9	To discover unknown causes leading to death of C.-bugs	Urbana, Ill.	" 7	Snow
990	Propagation by contagion of Entom. aphidios.	Ent. Lab.	" 10	Forbes
1	Effect " cabbage worms inoc. with Sporo. glob	" "	" 11	Wilder
2	Same as Exp. 989	" "	" 13	Snow
3	" " " "	" "	" "	"
4	" " " "	" "	" "	"
5	Eggs of Ch. Bugs treated exposed to Entom.	" "	" "	"
6	To discover if after Entom. aphi., Sporotr. gl. may ensue.	" "	" 15	"
7	Propagation of Sporotr. glob. on dried dead Chinch bgs.	" "	" 16	"
8	Larvae of ins " " Army Worm	" "	" 23	"
9	Cabbage worms inoc with Sporo. glob	" "	" 25	Wilder
1000	Same as Exp. 989	" "	" 23	Snow
1	Separation Culture from Piris protodice	" "	" 27	Wilder
2	Chinch bugs for study of causes of death	Tamaroa	" 31	Snow
3	Army Worms for parasites and disease	Ent Lab Urbana	" 17	"
4	Rearing Chinch Bugs for freshly molted exx. of each stage	Urbana	Aug 2	"
5	Rearing young of Leptoglossus oppositus	Ent. Lab	July 27	"
6	Chinch Bugs for study of causes of death	Urbana	Aug 12	"
7	Transfer Culture of Sporo. glob.	Ent. Lab.	" 17	Wilder
8	To discover causes of death of Chinch Bugs	Urbana	" 23	Snow
9	" " " "	"	" "	"
1010	"	"	" "	"
1	Attempt to discover cause of death in material in 1006	Ent. Lab.	Aug 18	Wilder
2	Pure culture of Sphaerostilbe coccophila	" "	Feb. 26	E. P. Forbes.
3	Gelatin " " "	" "	" "	" "

REMARKS.	Accession Numbers.
Made to seed stock ? Icaria destructor on hand (failure see 976)	
Material from Folgr. No. 290 1/3 { transfer made to seed stock ? Icaria densa on hand	
To test possibility of growth of Sporoglob ... favorable conditions	
Stock tubers.	
" " No. 976 repeated.	
to ascertain nature ? fungus on same.	
One tin ? cornmeal cultured Sporo. used. Comp. Check with uninfected lungs less infection material used than in 977 – { End: Bujo Sand 413 covered w. Spord.	21649. 21654. 21666. 21668. 21681.
Same material as 988 + 989.	
Material for incr. from 936/1 ? Duggar	21663
bugs fr. Tamaroa (Corn 1 m. E ? town)	21657. 21661. 21670, 21672.
" " Odin (Corn ? Mr. Hurd 1½ m. N)	21673, 21679.
" " Edgewood "Corn meal" Bantu	21669, 21681.
20 dead bugs fr. Mo. 976. 993	
	21662, 21665.
material fr. Matoon July 22 – McFall's farm	
to obtain suspected bacterial disease { 1 flaty 5 slant tubes	
20 dead bugs on clamp sand aug. 2. 12 Gm. Remainder dry.	
material 1½ m S. E. ? Mattoon	21687, 21689.
material fr. Lincoln July 28	
" " Tamaroa Aug 11	
from Duggars 938/1.	
Material from Tamaroa Aug 22	
" " Edgewood Aug 21	
" " Farm Aug 22	
Inoc. from 21704.	
" " "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
1014	Potato culture of Chaetostilbe coccophila	Ent. Lab.	Mar 1, '97	E. B. Forbes
1015	Gelatin cultures " " "	"	" 2, "	"
1016	Potato " " "	"	" " "	"
1017	Gelatin separation culture of "	"	" 3 "	"
1018	" " " " "	"	" 4 "	"
1019	" culture " "	"	" " "	"
1020	Potato " " "	"	" " "	"
1021	Agar " " "	"	" " "	"
1022	Gelatin separation culture of "	"	" 6 "	"
1023	Gelatin slant tube " " "	"	" 9 "	"
1024	Potato " " "	"	" " "	"
1025	" " " "	"	" 10 "	"
1026	Gelatin " " "	"	" " "	"
1027	Potato " " "	"	" 5 "	"
1028	Agar " " "	"	" 11 "	"
1029	Gelatin " " "	"	" " "	"
1030	Gelatin " " "	"	" 13 "	"
1031	Potato tubes of "	"	" 16 "	"
1032	Separation plate culture of " "	"	" " "	"
1033	" " " " "	"	" 17 "	"
1034	Corn meal culture of " "	"	" 19 "	"
1035	" " " " "	"	Apr 2 "	"
1036	Potato " " " "	"	" 3 "	"
1037	Homopterous nymphs to determine the adult.	Insectary	June 30 - '97	C. C. Adams.
1038	Larva of Papilio turnus	Ent. Lab.		"
1039	Parasitized Aphis maidis	"	July 26 - 97	"
1040	Corn leaf miner, with parasite, in vial	"	July 12 - 97	"
1041	Parasitized megilla maculata	"	July 8 - 97	"
1042	Lepidop. larva on corn leaf.	Insectary	June 29 - 97	Adams.
1043	Geometrid larvae on elm, for life hist. + imago	Urbana Ill	" 8, 1898	"
1044	Lisonycha xanthomelaena on sugar beet	"	" 20 "	"
1045	Lep. larva on sugar beet	"	" " "	"
1046	" eggs " "	"	" 21 "	"
1047	Lisonycha xanth. larvae on sugar beet	"	" " "	"
1048	" " beetle " " " for eggs	"	" 27 "	"
1049	Arctiid larva " " "	"	" " "	"
1050	Larvae " " " for pupae	"	" 28 "	"
1051	Geometrid larva on elm	———	" 10 "	"
1052	Cacoecia rosaceana	———	May 22 "	"

REMARKS.	Accession Numbers.
Since. from 21704.	
" " "	
" " "	
" " "	
" " 21706.	
" " 21704.	
" " 21706.	
" " "	
" " 21704.	
" " 21707	
" " "	
" " Ex. 1019.	
" " "	
" " 21706.	
" " Ex. 1019. Mistake, never made.	
" " " " "	
" " Ex. 1022.	
" " Ex. 1022.	
" " 21707.	
" " 21704.	
" " "	
" " Ex. 1026.	
" " Ex. 1026.	
Encorn. Proved to be Flata conica	20512.
Transformed to pupa July 30-'97. Recieved from E. C. McKibben Hazelhurst	20515.
Parasites found emerged July 29.	20514.
July 19. Hymenopterous parasite found in vial	20513.
Imago found emerged July 14-97.	20511.
Larva put up as No. 20531. July 7th.	20531.
See 20948, 20949, 20950	20948-20950.
" 20952, 20953. Pregnant ♀	
" 20954, 20955	20954, 20955.
" 20956, 20957, 20958, 20959	20956-20959.
" 20960, 20961	20960, 20961.
" 20962, 20963, 20964	20962-20964.
" 20965	20965.
" 20966	20966.
" 20996	20996.
" 20997, 21782	20997, 21782.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1053	Tubes from larvae in bark	———	Apr 98	Adams
1054	Enemies of Aniaria larvae on ash	Urbana, Ill	June 2 & 3 "	"
1055	Flea beetles on garden cress	———	" 8 "	"
1056	Ash saw-flies		" 18 "	"
1057	Anisota rubicunda on soft maple	Springfield Ill	" 20 "	"
1058	Orgyia & other larvae " " "	" "	" 21 "	"
1059	Lepidopterous " " " "	Jacksonville "	" 22 "	"
1060	Orgyia parasite	Springfield "	" " "	"
1061	Oedemasia concinna larvae	Jamaica "	" 26 "	"
[illegible]	Larvae from clover by sweeping	Champaign "	Jul 7 "	"
[illegible]	Parasites of Phycis indiginella	———	" 13 "	"
[illegible]	Phycis indig.? pupae, parasitized	———	" " "	"
[illegible]	Odontota, larvae, elm leaf miners	Normal Ill	" 20 "	"
[illegible]	Larvae " soft maple	Bloomington "	" " "	"
[illegible]	Larva " hard "	" "	" 21 "	"
1068	Ash plant lice, parasitized	Normal "	" 22 "	"
1069	Larvae on elm	Peoria "	" 23 "	"
1070	Beetle larvae in ash bark	" "	" 26 "	"
1071	Crania parasites, & Coleop. leaf miner, elm	" "	" " "	"
1072	Lepidopterous larva(?) on sycamore leaves	" "	" " "	"
1073	Larvae ———	" "	" " "	"
1074	Pupa on sycamore leaf	" "	" " "	"
1075	Hackberry skeletonizer &c	" "	" 28 "	"
1076	" larvae	———	" " "	"
[illegible]	Borers from ash	Peoria, Ill.	" 28 "	"
1078	Pupae on soft maple leaf	" "	" 29 "	"
1079	Maple leaf blotch miner, on soft maple	Quincy "	———	"
1080	Soft maple blister leaf-miner	" "	Aug 2 1898	"
1081	Larva on elm	" "	" " "	"
1082	Homoptera larva from box elder	Urbana "	" " "	"
1083	Soft maple blister leaf miners.	Quincy "	" 4 "	"
1084	Hypena moths from clover, for eggs	Urbana "	———	"
1085	Bread culture of Micrococcus sp	Urbana Ill.	Nov 1, 98	J.O. Quincy
1086	" " " Sphaerolike cocc.	" "	" "	"
1087	Sterilized Alder twigs inoculated with Micro. sp.	" "	" "	"
1088	" " " " " Sph. Cocc.	" "	" "	"
1089	Cult. of Micro. sp. with oxygen excluded	" "	" "	"
1090	" " Sphaerolike cocc. " " "	" "	" "	"
1091	Micro. sp. upon cotton inoculated with Intest material	"	"	"

REMARKS.	Accession Numbers.
See 20998,	See Remarks Column.
" 20999, 21709, 21710,	
" 21711, 21712, 21713,	
" 21714,	
" 21715, 21716,	
" 21717, 21718, 21719	
" 21720,	
" 20951, 21721, 20952, 20953,	
" 21722 From U. S. Dept.	
" 21723	
" 21724, 21725, 21726, 21727, 21728, 21729, 21730, 21731,	
" 21732, From E. E. Foster.	
" 21733	
" 21734, 21735	
" 21736	
" 21737, 21738, 21739	
" 21740, 21741, 21742	
" 21743	
" 21744, 21746, 21747	
" 21748	
" 21749, 21750, 21751, 21752	
" 21753	
" 21754, 21755, 21756,	
" 21757	
" 21745	
" 21758	
" 21759	
" 21760, 21761, 21762	
" 21763, 21764	
" 21765	
" 21766, 21767, 21768	
" 21769, 21770	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
092	Sph. cocc. upon cotton moistened with nutrient material	Ithaca, N.Y.	Oct 7, '98	J. F. Duncan
1015	Cultures of Micrococcus sp. upon pfeffer's mixt	"	Oct 11 '98	" "
1014	" " Sph. crostibbe cocc. upon pfeffer's mixt	"	" " "	" " "
1013	" " Micrococcus sp. upon prune decoction	"	" " "	" " "
1016	" " Sph. crostibbe cocc. " " "	"	" " "	" " "
0997	" " " " in wood infusions	"	" " "	" " "
1018	" " Micrococcus sp. " " "	"	" " "	"
1019	" " " " " leaf "	"	" " "	"
1000	" " Sph. crostibbe cocc. " " "	"	" " "	"
1101	Temperature experiments upon Sph. crostibbe coccophila — moist heat 120° F.	"	Oct. 12, 98	" —
1102	Dry heat " " " at 125°	"	" 14, "	"
1103	" " " " Spores of Isaria ver. at 125°	"	" " "	"
1104	Temperature experiment upon cultures of Isar. ver. 125° F	"	Jan 21, '99	"
1105	Temp. exp. upon cultures of Sph. cocc. — 115° F.	"	Oct 25 '98	"
1106	" " " " " Isaria verans — 115° F	"	" 25 "	"
1107	" " " dry spores of Sph cocc. — 115° F	"	" " "	"
1108	" " " " " " Isaria verans — 115° F	"	" " "	"
1109	" " " Cultures of Micrococcus sp. 115° F	"	" 28 "	"
1110	Sph. cocc upon media varying in acidity & alkalinity	"	Nov 4 "	"
1111	Isaria verans. "	"	" " "	"
1112	Micrococcus sp. "	"	" " "	"
1113	Desiccation exp. upon fresh & older spores of Sph. cocc.	"	Nov 22 "	"
1114	" " " " " " " " Isaria ver.	"	" "	"
1115	Exp. to test effect of low temp. upon cultures of Sph. cocc	"	" "	"
1116	" " " " " " " " Isar. ver.	"	" "	"
1117	Search for optimum temp. for growth of Sph. cocc.	"	Dec. 29	"
1118	" " " " " " Isaria ver.	"	" "	"
1119	Infection of live San Jose scale with Sph. cocc.	"	Jan. 3	"
1120	" " " " " " Micrococcus sp.	"	" "	"
1121	" " dead " " " Sph. cocc.	"	" "	"
1122	Temp. exp. upon dry spores of Sph cocc — 120° C	"	" 5	"
1123	Separation of fungus infesting leaves of Carpospora from CKll	"	" 7	"
1124	Direct sunlight upon cultures of Sph. cocc.	"	" 7	"
1125	Effect of mycelial growth upon spore germination of Sph cocc	"	" 9	"
1126	Infection of various insects — Sph. cocc.	"	" 17	"
1127	" " " " " Isaria verans	"	" "	"
1128	Sphaerostilbe cocc. upon potato	"	" 18	"
1129	Isaria verans upon potato	"	" 18	"
1130	Micrococcus sp. upon potato	"	" 18	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1131	Temperature Experiment upon Spk. coc. -110° F.	Urbana	Jan 25 '99	J. A. Dewey
1132	Temperature experiment upon Isosoma vexans -110° F.	"	" 26	" "
133	Separation of fungus infecting specimen of Euchistus var.	"	" 31	" "
134	Effect of Isosoma chips upon germination of corn	"	Feb 7	" "
1135	To determine lowest temp. at which Spk. coc. [illegible] T. farinae vulgaris	"	" 7	" "
1136	Separation of fungus infecting scales sent by Lowe of Ny.	"	" 6	" "
1137	Temperature experiment upon cult. of Isos. vex. -120° F	"	" 9	" "
1138	" " " " Spk. coc. 120°	"	" 16	" "
1139	Insects on soft maple	Bloomington	Jul 21 '98	McElfresh
1140	Effect of tobacco-dust upon germin. of corn	Urbana	Feb 21 '99	J. A. Dewey
1141	Life history of Isosoma vexans		Mar. 11 "	"
1142	" " " Sphaerostilbe coccophila	Florida	" " "	"
1143	Separation of Aschersonia fulcheronind from mat.	Pará, Brazil	" 20, 99	"
1144	Temperature experiment upon cultures of Spk. coc. (105° F)	Urbana	" 31, "	"
1145	" " " " " Isosoma vex. (105° F)	"	" " "	"
1146	Lowest temperature for growth of Isosoma vexans on artificial media		" " "	"
1147	Dipterous larvae from sheep manure in cornfield	Tampico, Ill.	Jun 1, 1909	M. C. Tanquary
1148	Cocoons of Myzine sexcincta from plowed field	Galesburg "	Apr. 30 1910	A. G. Vestal
1149	" " Tiphia inornata " " "	" "	" " "	"
1150	Asilid larva, from earth cell, with remains of grub	" "	" " "	"
1151	Carpenter bees in catalpa branches	Urbana "	May 14 "	"
1152	Hessian fly in wheat	Dubois "	" 18 "	"
1153	" " "flax-seeds" from wheat	——	— —	"
1154	Lachnosterna hirticula 5 ♂♂ ♀ for oviposition	Urbana "	Jun. 8 "	A. A. Girault
1155	" " " " " "	" "	" " "	"
1156	" " 8 " " "	" "	" " "	"
1157	" " 13 " " "	" "	" " "	"
1158	Coleopterous larvae girdling hickory twigs	Grayville "	" 6 "	"
1159	Cerambycid pupae taken from dead white oak	Mill Shoals "	" 8 "	"
1160	Ichneumonid parasites of cerambycid larvae	Rosiclaire "	May 17 "	"
1161	Coleoptera under bark of cut white oak	Mill Shoals "	" 28 "	"
1162	Lachnosterna inversa, quantitative feeding expt.	Urbana "	" 19 "	F. T. Wiley
1163	" hirticula 1 ♂ ♀, from linden, for oviposition	" "	Jun. 9 "	A. A. Girault
1164	" " " " " " box elder " "	" "	" " "	"
1165	" inversa " " " " elm " "	" "	" 17 "	"
1166	" " for life history	Exp. Yard	" 20 "	"
1167	" " " " " "	" "	" " "	"
1168	" hirticula 1 ♂ ♀ for oviposition	Urbana, Ill	" " "	"
1169	Dipterous larvae from cells of [illegible] over plant	——	——	M. C. Tanquary

REMARKS.	Accession Numbers.
	21899.
Material from Pettit	
Material sent by Ckll., collected by Dr. [illegible]	
	42291.
Taken following plow by Hudson & Sanders.	44062, 44064, 44068, 44075, 45127,
" " " " " "	
Hudson & Sanders, coll.	
Collected by Dr. Burrill.	43190, 44061,
L. M. Smith, coll.	43902, 43905, 43913, 43957, 43961, 44197, 43959, 43992, 44197,
	44105,
	44069,
	43976, 43994, 43754, 44063,
	43995,
	43972,
	43973,
	44210,
	44070,
	41567, 43174, 44040,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1170	Eggs of Tentatomid on Crab grass for different stages & dets. sp.	Urbana, Ill	Aug – 1899	A.M. Beac
171	Lepidopterous larva for adult-		1899	E.C. Green
1172	Nematus ribesii, lvae on gooseberry for adults	Urbana, Ill.	May 3, 1899	E.C. Green
1173	Oak leaf-roller, lva, for adult-	" "	June 5 "	A.M. Beach
1174	Black-headed leaf roller, lva, on Box Elder, for adult	" "	June 20 "	" " "
1175	Agrotis c-nigrum, larvae, for adults	" "	Apr. 9, 1899	E.C. Green
1176	" " " " "	" "	" "	" "
1177	Feltia subgothica, larvae, " "	Champaign "	" 15-17 "	" " "
1178	Lachnosterna fusca? " " eggs and life history	Urbana "	" 12 "	" " "
1179	" rugosa? " " " " " "	" "	" " "	" " "
1180	Leucania unipuncta?, larva, for adult	" "	" 17 "	" " "
1181	Feltia sp., or Mamestra renigera, larvae, for adults	" "	" 15-17 "	" " "
82	Carabid, larvae, for adults	" "	" 12 "	" " "
1183	Drasterius elegans, adults, for eggs & facts in life-history	" "	" 11 "	" " "
184	" " , larvae, for adults & facts in life history	" "	" 12 "	" " "
1185	Lampyrid, larva, for adult	" "	" " "	" " "
1186	Meloid, larvae & false pupae, for adults	" "	" 11 "	" " "
1187	Lepidoptera, eggs & young larvae on Apple, for adults	Kinmundy "	" 18 "	" " "
1188	Lachnosterna sp., larva, for eggs and facts in life history	Urbana "	" 21 "	" " "
1189	Leucania phragmitidicola, larva, for adult	" "	" 22 "	" " "
1190	Nephelodes violans, larvae, for adults & facts in life history	" "	" 25 "	" " "
1191	Carabid, larvae, for adults	" "	" 27 "	" " "
1192	Heliophila phragmitidicola, larvae, for adults	" "	" 28 "	" " "
1193	Agrotis clandestina, larva, for adult	" "	" " "	" " "
1194	Neoclytus capraea, adults, from Ash for eggs & facts in life history	" "	" 27 "	" " "
1195	{Liggyrus relictus, adults, " " " " " " " " Chilepus trachypygus, adults " " " " " " " "	" "	May 1 "	" " "
1196	Lachnosterna fusca, adults, for eggs	" "	" 2 "	" " "
1197	" inversa, " " "	" "	" " "	" " "
1198	Liggyrus gibbosus " " "	" "	" " "	" " "
1199	Agrotis subgothica, larva, for adult	" "	" 3 "	" " "
1200	Meromyza americana, larvae, on grass, for adults,	" "	" 11 "	" " "
1201	Unknown larva on grass, for adult	" "	" " "	" " "
1202	Raspberry sawfly, larvae for adults	" "	" 15 "	" " "
1203	Oak sawfly, larvae, for adults	" "	" 13 "	" " "
1204	Hickory sawfly, larvae, " adults	St. Joseph "	" " "	" " "
1205	Feltia subgothica, larva, for adult	Urbana "	" 16 "	" " "
1206	Nolophana malana, larvae (one parasitized), for moths & parasite	" "	" 16 "	" " "
1207	Strawberry larvae, for adults	Clinton "	" 18 "	" " "
1208	Pea-vine larva, for adult	Urbana "	" 19 "	" " "

REMARKS.	Accession Numbers.
End.	23957, 23982
End. Positive.	25821 (moths + p.c.)
" "	23811 (pupa), 25140 (adults), 25148 (adults), 29065 (p.c.)
" Negative	23805.
" "	23875.
See notes- Adults bred. and pinned	23812.
Pupa died, June 21, '99. See notes.	
Larvae " Apr. 28 "	
Eggs obtained.	
" "	
May 17, Larva disappeared Failure, note slip not kept	
Pupa and adult preserved	23818 (pupa); 23902 (adult + p.c.)
See notes. End. Negative	23800 (larvae)
" " "	23806
" " " "	
" End. Positive	23802
" " Negative	
" " Positive	(larvae) (pupa + adults) 23803, 23804.
" " Negative.	
Larva disappeared.	
End Positive	23813 (larva), 23910 (adult + p.c.)
" Negative.	
" " "	
" " "	
" " "	
" " "	
" " "	
" " "	
" " "	
End. Negative.	
End. Negative	
" " Failure, note slip not kept	
" "	2381
	23807 (larvae)
	23810 (larva)
" " Positive	23911
"	23808 (Parasite, cocoon + host-)
" " Positive	23809 (larvae), 25139, 29007.
" " Adult escaped	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
1209	Sawfly, larvae, on Poa pratensis grass, for adults	Urbana, Ill	May 19, 1899	E.L. Green
1210	Stem-borer, larvae, in Box Elder, for adults	" "	" 27 "	" " " + Ant
1211	Geometrid, larva, on grass, for adult	" "	" 29 "	" " " " "
212	Jassid, nymphs, on corn, for adults	" "	" 30 "	" " " " "
1213	Geometrid?, larvae on Box Elder, for adults	" "	June 12-July 1 "	——— " "
1214	Sciara? " + pupae	Champaign "	" 17 "	——— " "
1215	Leaf-roller, larvae, on Box Elder, for adult	Urbana "	" 21-26 "	——— " "
1216	Dynchlora glaucaria?, larva, on Blackberry?, for adult	[illegible]	" 23 "	——— " "
1217	Catocala?, larva, on Box Elder, for adult	Urbana, Ill	" 22 "	——— " "
1218	Lepidopterous larvae on Poa pratensis, for adult	" "	" " "	" "
1219	" " " " " " "	" "	" " "	" "
1220	Catocala?, larvae on Box Elder, for adults	" "	" 26 "	——— " "
1221	Small grass larva on Poa pratensis, for adult	" "	" " "	" "
1222	Arctiid, larva, taken on grass, for adult	" "	" " "	" "
1223	Disonycha triangularis?, larvae, on Spinach, for adults	" "	" " "	" "
1224	Beetles, larvae, & parasites, larvae + pupae?, infesting Pulvinaria innumerabilis	Washington "	" 30 "	——— " "
1225	Leaf-tyer?, larva, on Box Elder, for adult	Urbana "	" "	——— " "
1226	Leaf-roller, larva, + parasites (larva), on Box Elder, for adults	" "	" " "	——— " "
1227	Ormenis septentrionalis?, nymphs, on Box Elder, for adults	" "	" " "	——— " "
1228	Phygis nitidinella, larva, parasitized, on Apple, for adult + parasite	"	July 7 "	——— " "
1229	Pulvinaria innumerabilis for parasites	Crete	" 8 "	——— " "
1230	Membracid?, nymphs, on Apple, for adult	Urbana "	" " "	——— " "
1231	Membracid?, nymph, on Elm, for adult	" "	" 10 "	——— " "
1232	" " " " Box Elder, for adult	"	" 11 "	——— " "
1233	Black-headed leaf-roller, larva, on Box Elder, for adult	" "	" " "	——— " "
1234	Lepidoptera, larvae, on Sugar Beet, for adult	Pekin "	" 15 "	——— " "
1235	" , larva, " " " " "	"	" " "	" "
1236	" , larvae, " " " " "	Tremont or Green Valley, Ill "	" "	——— " "
*1238	Cutworm, on Geranium, for adults	Urbana Ill. "	" 18 "	——— " "
1239	Heliothis armigera?, larvae, on Broom Corn for adults	Arcola "	" 22 "	——— " "
1240	Sphinx drupiferarum, larva, on ornamental plum	Urbana "	" 26 "	——— " "
*1237	Lepidoptera, larvae, on Sugar Beet, for adult	Pekin "	" 14 "	——— " "
1241	Leaf-roller, Box Elder, for adult	Urbana "	" 30 "	——— " "
1242	" " larva, Sugar Beet, for adult	" "	" 26 "	——— " "
1243	Plusia? " " " "	" "	" " "	——— " "
1244	Web-worms, larvae, on Sugar Beet; for adults	" "	" " "	——— " "
1245	Bag-worm, larvae, on cedar, for adults + pupae	Hookdale, "	Aug 1 "	——— " "
1246	Heliothis, larvae, on corn, " "	Shawneetown "	" "	——— " "
1247	Tortricid, larva, on Sugar Beet, for adult	Urbana "	" 3 "	——— " "

REMARKS.	Accession Numbers.
Re notes. Mar 23, Dead	
" End. Positive	23883, 23884-23888, 23886
" " End., Positive Additional larva, same sp.; i.d.	23815, 23817, 23820, 23823, 23824, 23877, 23881, 23816, 23825 (adult)
" " Negative	23913.
" " Positive	23826 (parasites + host), 23819, 23882,
" " "	23821 (larvæ + pupæ), 23822 (adults)
" " "	23827, 23828, 23878.
" " " "	23876.
" " " " Imago escaped; [probably Homoptera larvals.]	23879 (pupa case)
"	23915, 23916
" End Negative	
" Pupæ attacked by fungus	
" End. Negative	
" End. Negative. Probably not a grass feeder.	
" " Positive. Proved to be A. xanthomelæna.	23929 (larvæ), 23846 (adults), 23865,
" To obtain adults of parasites + beetles. End. Positive	23832, 23858-23862, 23867, 23874.
" End. Positive	23880
" "	23914
" " Positive. Proved to be L. frenuosa	23848-23853, 23857, 23866.
" " "	23917,
" " "	23863, 23864,
" " " . Proved to be Flata conica	23854
" " " " " " "	23855
" " " " " " "	23856
" " "	23905
" " Failed	
" " "	
" " "	
" End. Positive	23903, 23904,
" " " . Proved to be Lophyrgma frugiperda.	23179, 23926-23932,
" To obtain pupæ. End. Positive.	23919,
"	29110
" End. Positive	23909
" " Negative	
" "	
" End. Positive	23219, 23833, 23218
" " "	23336, 23388, 23890-23901, 23385
" " "	23261 (larvæ), 23989
" End. Positive	23840 (adult)

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
1248	Carabid, larva, for adult	Urbana, Ill.	Aug. 3, 1899	A. M. Beal
1249	Cocoons, Lepidopterous, on Apple, for adult	McLeansboro "	" 7 "	" "
250	Webbing larva on Sorghum, for adult	Urbana "	" 4 "	" "
1251	" " " Celery, " "	" "	" 1 "	" "
1252	Eggs of Lepidopteron? on Sugar Beet, for adult	" "	" 5 "	" "
1253	Lepidopteron, pupa, on Pear, for adult	Highland. "	" 11 "	" "
1254	Diptera, larvae (Sp. 1) on hog excrement, for adults	— "	June 27 "	C. A. Hart
1255	" " (Sp. 2) " " " " "	— "	" " "	" " "
1256	" " (Sp. 3) " " " " "	— "	" " "	" " "
1257	" " (Sp. 4) " " " " "	— "	" " "	" " "
1258	Leaf-miner. larvae, pupae, & adult, in Apple, for adults	Highland "	Aug 15 "	A. M. Beal
1259	"Silk fly", adults, on corn for eggs and facts in life history	Mound City & Metropolis "	" 14 "	" " "
1260	Pupae, dipterous, attached to corn silk, for adults	Mound City & Metropolis "	" 16 "	" " "
1261	Cocoon, Lepidopterous, on Apple, for adult	Attila "	" 18 "	" " "
1262	" from nursery, for adult	Belleville "	" 21 "	" " "
1263	Lepidoptera, larvae & adult (dead), on Sugar Beet, for adults	Johnson City "	" 19 "	" " "
1264	" , cocoon, on Willow, for adult	Johnson City "	" 14 "	" " "
1265	" " " Apple " "	Mascoutah "	" 20 "	" " "
1266	" " " from nursery, for adult	Anna "	" 31 "	" " "
1267	" " in cornfield " "	Urbana "	" 24 "	" " "
1268	Fall army worm? on Apple, for adult	Brussels "	Oct. 1 "	" " "
1269	" " " — " for adults	Anna "	Aug. 31 "	" " "
1270	Lepidoptera? cocoon, on Pear, for adult	Villa Ridge, Ill.	Sep. 2 "	" " "
1271	Case-bearer larvae, on Plum, for adults	Spaulding "	" 4 "	" " "
1272	Lepidoptera, larvae, on Sugar Beet, for adults	Green Valley "	" " "	" " "
1273	Green lepidopterous larvae on Sugar Beet, for adults	Tremont and Gr. Valley "	" " "	" " "
1274	Web-worm on Soy Bean, for adults	Brighton "	" 2 "	" " "
1275	Lepidoptera larva, on Apple, for adult	Centralia "	" 9 "	" " "
1276	" " " Pear? from nursery, for adult	" "	" " "	" " "
1277	" " " Violet " adult	Urbana "	" " "	" " "
1278	" larvae " Ageratum for adults	" "	" 13 "	" " "
1279	Crambid? adults, to obtain eggs and facts in life history.	" "	" 22 "	" " "
1280	Fall Army Worm adults, for eggs and facts in life-history	" "	" " "	" " "
1281	Green lepidopterous larva on Sugar Beet, for adult	" "	" " "	" " "
1282	Lepidoptera cocoons, in lot of miscellaneous larva, for adults	Brussels "	Oct 2, "	" "
1283	Disonycha xanthomelaena, adults, on Sugar Beet,	Urbana "	" "	" " "
1284	" triangularis? adults, on Purslane, for eggs	" "	" 3 "	" "
1285	Mamestra trifolii, lva, on Sugar Beet, for full-grown larva	" "	" 9 "	" " "
1286	Borer? in stems of Asparagus, for adults	Wichert "	" 13 "	" " "

REMARKS.	Accession Numbers.
See notes. End. Positive	23918
" " "	23907, 23908
" Pupa dead.	29081
" End. Positive	23906
" "	23841 (larvae), 23842 (eggs)
"	29080 (pupa)
" End. Positive	23364 (larvae); 23365 (adults + pupa cases), 23372,
" " " "	23366 (larvae); 23367 (adults), 23372,
" " " "	23368 (larvae); 23369 (adults), 23372,
" " " "	23372, 23370 (larvae); 23371 (pupae + pupa cases)
" " " "	29091, 23401.
" " " Negative	
" " " Unsatisfactory	25073
" " End. Positive. See 23437	23912,
" " " "	29001
" End. Positive	23843 (adult dead); 23844; 23845;
" "	29079
" End. Positive	29000
" " Failure	29078
" Pupa died Failure, note slip not kept	
" and died	23974. larva, 23947,
" End. Positive. Adult escaped -	23976
" "	29265
"	29266
" End. Positive.	23614 (work); 23847 (adults)
" " Negative	
" End. Positive.	23835. (adults, pupae, cocoons, work; 23836 (adults) 23642 (larvae, pupae + cocoon); 23834 (adults);
" " "	29012 (adults); 29013 (cocoon), 23684,
" " "	29014 "
" Larva - dead	
" in. Unsuccessful in securing adults,	23966 (larvae), 29084 (pupae)
" Secured eggs	
" End. Positive	23994, 23993, 23997, 25091, 29066. 23987, 23969, 23970, 23971; 23996, 23992,
" Larva escaped	
" End. Positive.	23947
" To determine stage in which they hibernate. Hibernated as adults	29349.
" Failed to secure eggs	29036.
" End. Positive.	23739.
"	29010, 29040 (adults); 29062 work

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
1287	Bibionid?, larvae, in decaying vegetation, for adults, &c.	Urbana Ill.	Nov. 21, 1899	A.M. Beach
1288	Garden webworm, larvae, on Sugar Beet; for adults, &c.	Green Valley "	Sep. 11, "	" " "
1289	Roundheaded borer, larvae, in Apple, for adults	Urbana "	Dec. 9 "	" " "
1290	Twig-girdler, larvae, in Apple, for adults	Colfax "	" 7 "	" " "
1291	Lepidoptera, cocoon, parasitized, for parasites	Urbana "	" 8 "	" " "
1292	Elm scale on Elm, for adult-♂♂'s or parasites	—— "	Apr. 20	
1293	Empoasca mali?, nymphs, for adults + their eggs.	Urbana "	" 29, 1896	E.B. Forbes
1294	Empoasca mali, adults, on Apple,	" "	" " "	" " "
1295	" " on Clover + Blue Grass,	" "	" 30 "	" " "
1296	" " " " "	" "	May 5 "	" " "
1297	" " " " "	" "	" " "	" " "
1298	" " " " "	" "	" " "	" " "
1299	" " ?, nymphs, on Basswood	" "	" 20 "	" " "
1300	Fall army worm on "crab Grass", for no. broods, hibernation, &c.	" "	Aug. 19 "	A.M. Beach
1301	" " " " Violets " " " "	" "	Oct. 14 "	" " "
1302	Cutworms on Geranium	" "	Sep. 13 "	" " "
1303	Heliothis sp., larvae, on Geranium, for adults, life-history	" "	" " "	" " "
1304	Cutworms " " " " " "	" "	Aug. 12 "	" " "
1305	Laphygma frugiperda, larvae, on wheat; for no. broods, hibernation	Bishop "	Oct. 16 "	" " "
1306	" " ? eggs, " Apple	Champaign "	" 3? "	" " "
1307	Cutworm on Violet - for adult	Urbana "	" - "	" " "
1308	Cecidomyia salicis, galls, with Locustid eggs	Green River "	Jan. 20 "	" " "
1309	Hemipterous eggs on Pawpaw twigs for adults for identification	Rosemond "	Mch 15 "	Beach & Burgess
1310	Chlorochroa conica, eggs, for facts in life history	Altamont & Columbia, Ill. "	19 "	" Burgess, Forbes
1311	Elm scale with eggs of mites, to secure adult-mites	Evanston, Ill.	Apr. 7 "	" " "
1312	Meadow maggots for adults,	Newton & Hillsboro, "	" 11 "	" " "
1313	Tipulids, adults, for eggs, facts in oviposition, &c	Urbana "	Apr. 27 "	" " "
1314	Agrotis? young larvae, on Apple to determine species	Hardin "	Apr. 23. "	" " —
1315	Parasite of cabbage worm " " "	Quincy "	Dec. 8, 1899 "	"
1316	Tipulids ♂ + ♀ mating for eggs, facts in oviposition	Urbana "	May 1, 1900	Burgess
1317	Larvae of Codling moth in plums to obtain adults	West Point, Miss. "	8 "	" + Forbes
1318	Tipulids, males, to mate with females when obtained	Effingham Ill	" 16 "	" —
1319	" , adults, to secure egg and early stages	Ashley "	" 23 "	" + Forbes
1320	Hemipterous egg cluster to obtain adults and facts in life-history	" "	" " "	" " "
1321	Lepidopterous larva on Apple " " " " " " "	" "	" " "	" " "
1322	" pupa " " " " " " "	" "	" " "	" " "
1323	" " " " " " " " "	" "	" " "	" " "
1324	" larva " " " " " "	" "	" " "	" " "
1325	Cocoons in curled Apple leaf " "	Woodlawn "	" " "	" " "

REMARKS.		Accession Numbers.
See notes		23786
" " " End. Positive		23837, 23838, 23839. 23889
" " " "		29177, 29271, 25007, 25008 29267, 29120, 29123, 29128
" " " "		29052, (adult), 29179 (nymph)
" " " Negative Failure, note slip not kept		
" " End. Positive		25070, 25071.
		25020 (adult), 25022 (adults)
" To determine where eggs are deposited. End.		25023
" " " " " " " "		
" " " " " " " " " (Spec. lost)		
" " " " " " " " "		
" " " " " " " " " (Spec. lost)		
" " Secure adults " " " " "		25021 (adult)
		~~23949~~, 23948–23954, ~~23955~~, 23985, 23958, 23959, 23960, 23961, 23963, 23964, 23968, 23972, 23973, 23975, ~~23976~~, 23977, 23978, 23979–23981, 23983, 23990, 23998.
		23962, 29965, 23967. 29082, 29350,
		23974. 29083
		23956, 23957.
		23955, 23958, 23959, 23940.
" Larva did not survive		
		23991.
" " Larva did not survive		(Like 23984, i.e. same sp.)
" " To note time of hatching. Hatched May 30, 1900.		29056 (nymph)
" " Nymphs determined [Hart] as Smica diadema		29020, 29022, 29023. 25162,
" " Eggs failed to hatch		25101, 29353
" " Young mites preserved		25130, 25147, 29086, 29087.
" " Also from Pana and Effingham		25135, 25145, 25146, 25150, 25151, 29064, 29294, 29295, 29296, 29297, 29298, 29299, 29300, 29301, 29302, 29303, 29307, 29308, 29309, 29310, 29311, 29312, 29313, 29314, 29315, 29316, 29317, 29320, 29321, 29322, 29324, 29325, 29326, 29330, 29331, 29332, 29333, 29335, 29337, 29341, 29342, 29343, ~~29327~~, ~~29328~~, ~~29329~~ 29021, 29319, 29354, 29351, 29352, 29361.
" " Secured eggs, and some fasts in oviposition		25155–25158, 29017, 25157,
" " Peridroma saucia [Hart]		25136, 29011, 29042, 29003. 29004, 29005;
" " End. Positive		29002, 29009, 29016, 29018, 29019
" " ♀ died without ovipositing		29008
" " From A. M. Augustine, West Point, Miss.	Failed	29057 (larvae + work)
" Coll. at Effingham, Ill, by E. B. Forbes, 5/16.	All died	29024
" " Ashley " " " 5/22.	Secured eggs but no larvae	29025, 29041, 29043. 29272.
" " " " " " " " " "	" " , nymphs + parasites	29074, 29085. 29070 29026, 29044, 29045, 29061, 29067, 29069,
" " " " " " " " " "	End. Positive	29037. 29601
" " " " " " " " " "	End. Positive	29049
" " " " " " " " " "	" "	29059
" " " " " " " " " "	" "	29027. 29071, 29072. 29077, 29088
" " " Woodlawn " " " " 5/23	" "	29028, 29046, 29050. 29058

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
1326	Pupae of leafroller to obtain adults	Woodlawn, Ill	May 24, 1900	Burgess & Forbes
1327	" " " " " "	" "	" " "	" "
1328	" " " " " "	" "	" " "	" "
1329	Cocoon on apple leaf	" "	" " "	" "
1330	Larva of leaf roller, parasitized? to obtain parasites	" "	" " "	" "
1331	Larvae feeding on Apple, to obtain adults and facts in life history	" "	" " "	" "
1332	" " " " " " " " " " "	" "	" " "	" "
1333	Leaf rolling larvae on Apple " " " " " " "	" "	" " "	" "
1334	Lepidopterous larva on Apple to obtain adult	McLeansboro, Ill.	" 26 "	" "
1335	Geometrid larva on Apple " " "	" "	" " "	" " Beach
1336	Leaf crumpler " " " " "	" "	" " "	" " Be
1337	Cocoons " " " " "	Enfield "	" 28 "	" " Bea
1338	Geometrid larva on Apple " " "	Flora "	" 29	" " "
1339	Small lepidopterous larva on Apple to " " and notes	" "	" "	" —
1340	Root-web worm on Corn " " " " "	Savoy "	" 28 "	" Forbes
1341	Sulphur leaf roller on Corn " " " " "	" "	" "	" " Beac
1342	Hessian fly to determine effect of burying pupae	Newton "	June 5 "	Forbes, Burge "
1343	" " " " " " " " " ½ in packet	" "	" " "	" " "
1344	" " " " " " " " " 1 " "	" "	" " "	" " "
1345	" " " " " " " " " 2 " "	" "	" " "	" " "
1346	" " " " " " " " " 4 " "	" "	" " "	" " "
1347	" " " " " " " " " 6 " "	" "	" " "	" " "
1348	" " " " " " " " " 2 " loose	" "	" " "	" " "
1349	" " " " " " " " " 4 " loose	" "	" " "	" " "
1350	Leaf crumpler on Cherry to rear adults and secure notes	Champaign, Ill.	" 8 "	" "
1351	Orthoperus scutellaris on Apple to note effect on Apple	Petersburg "	" 9 "	"
1352	Larvae on plum tree to determine species	Galva "	" 13 "	"
1353	Neuroterus saltatorius on white oak to obtain pupae and imagos	Bloomington "	" 14 "	Burgess, Forbes, Be
1354	Larvae of Limia sp. on Poplar to find out if they feed on corn	Urbana "	" 15 "	" "
1355	Macrobasis unicolor bearing parasitic eggs to rear parasites	" "	" " "	" " Be
1356	Ceresa sp. to obtain adult	La Grove, "	" 21 "	Forbes, Beach
1357	Lepidopterous larva on clover for adult		" " "	"
1358	Colaspis brunnea, larvae, on corn for notes on life history	Griggsville, Ill.	" 25 "	" Beach
1359	Coleopterous larvae from timothy bulbs for adults and " "	Champaign, "	" 26 "	"
1360	Lepidopterous " " " " " " " "	" "	" " "	" Beach
1361	" pupae " " " " " "	" "	" " "	"
1362	" larva " " " adult " " "	" "	July 13 "	"
1363	" larvae " clover " adult " " "	Urbana "	" " "	"
1364	" " " " " " " " "	" "	" 10 "	"

	REMARKS.	Accession Numbers.
ethol	End. Positive	29029 (pupa), 29057 (adult)
" "	" "	29030 (pupa), 29035 (adult)
" "	" "	29031 (pupa), 29053 (adult), 29068 (parasite)
" "	" "	29051 [adult + [parasite] + cocoon]
"	" "	29039 (larva), 29073 (adults)
"	" "	29033 (larvae), 29106 (adult + pupa case)
"	" "	29032 (larvae), 29090 (adults + p.c.)
"	" "	29034 (larvae), 29060 (molts + p.c.)
"	" "	29036 (larva), 29089 (molt + p.c.)
"		29241 (pupa)
"	End. positive	29038 (larvae), 29116 (adults), 29131 (molts + p. cases)
"		29604,
"		29047 (larva), 29286 (pupa)
" "		29048 (larvae)
" "		29054 (larva), 29127 (molt + p.c.)
" "		29055 (larva), 29098 (molt + p.c.)
"	Check.	29293, 29318, 29336, 29338.
"		29138, 29611,
"		29339
"		
"		
"		29139, 29228.
"		
"		
"		29109, 29111, 29100, 29101, 29063,
"	no perceptible damage done -	29075, 29076
"		25237 (larvae)
"		{29600, 31825. {25232 (larvae + galls), 29094 (adults), 29174 (adults)
"	End. Did not feed on corn	
"	End. Negative	29103,
"	" Positive	29099, 25238, 25254
"	" "	29157 (molt + p.c.)
"		29252, 29092, 29093
"	End. Positive	29096, 29149.
"	End. Positive	29107. (molt + p.c.), 29097,
"	" "	29102 (molt),
"	" "	29169 (molt + p.c.)
"	" "	29108 (larva), 29121 (molt + p.c.)
"	" "	29145 (parasite), 29161 (molt + p.c.)

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
1365	Lepidopterous larvae from Clover for adults and life history	Urbana, Ill.	July 10, 1900	Forbes
1366	" " " " " " " " "	"	" " "	"
1367	" " " " " " " " "	"	" " "	"
1368	Colaspis brunnea " " for egg-laying habit	Urbana "	" " "	"
1369	Tipulid larvae from Fuchsia for adults	Moline "	" 12 "	"
1370	Hemipterous eggs from Clover " "	Champaign "	" " "	" Beach
1371	Lepidopterous larva from Apple " "	Urbana "	" " "	"
1372	" " " Yellow Birch for adults	Champaign "	" 13 "	"
1373	" " " Apple " "	" "	" " "	"
1374	Dipterous larvae and pupae from Apple " "	" "	" " "	"
1375	Lepidopterous larvae, young, " " " "	" "	" " "	" Beach
1376	" " " " " "	" "	" 14 "	"
1377	" " " Pear " "	" "	" " "	"
1378	Pupae of parasites from Apple " "	" "	" " "	"
1379	Lepidopterous pupae " " " "	" "	" " "	"
1380	" pupa " " " "	" "	" " "	"
1381	" larva " Pear " "	" "	" " "	"
1382	" " " Apple " "	" "	" " "	"
1383	" " " " " "	" "	" " "	" Beach
1384	" " " Clover " "	Urbana "	" 16 "	"
1385	" " " " " "	" "	" " "	"
1386	Tipulid larvae from Fuschia " "	Moline "	" 17 "	"
1387	Lepidopterous larva " Clover " "	Urbana "	" 18 "	"
1388	" " " " " "	" "	" 17 "	"
1389	" " " " " "	" "	" " "	"
1390	" " " " " "	" "	" " "	"
1391	" " " " " "	" "	" " "	"
1392	" pupae " " " "	" "	" " "	"
1393	" larva " Geranium " "	" "	" 19 "	"
1394	" " " " " "	" "	" " "	"
1395	" " " " " "	" "	" " "	" Beach
1396	Aphids from Clover for winged forms	" "	" 17 "	" "
1397	Lepidopterous larvae from Geranium for adults	" "	" 24 "	" "
1398	" " " Clover " "	" "	" " "	"
1399	Leaf-miners in Clover " "	" "	" " "	"
1400	Insect-eggs on Clover " "	" "	" " "	"
1401	Lepidopterous larvae on Clover " "	" "	" 23 "	" Beach
1402	" " " " " "	" "	" 24 "	"
1403	" " " " " "	" "	" 27 "	" Beach

REMARKS.		Accession Numbers.
(3 notes	Ends Positive	29140 (moults + p.c.)
" "	" "	29151 (moults + p.c.)
" "	" "	29133 (larvae), 29135 (moults + p.c.), 29141 (moults + p.c.)
" "	Negative	
" "	" "	29112 (larvae)
" "	" Secured nymphs.	29113 (eggs), 29219 (nymph), 29220 (nymph)
" Failure, note slip not kept	" Negative	
"	" Positive	29152 (moults + p.c.), 29154 (pupa)
"	" "	29146
"	Larvae reached maturity & died	29114, 29117, 29125, 29126, 29188
"		29115
"		29167
"	Ends, Positive	29129 (adult + p.c.)
"		
"	Ends. Positive	29124 (moults + p.c.)
"	" "	29122 (moults + p.c.)
"	" "	29168 (adult + p.c.)
" Failure, note slip not kept.	Ends died	
"	Ends. Positive	29216 (moults + p.c.)
"	" "	29179 (moults + p.c.)
"	" "	29185 (moults + p.c.)
"	" Negative	29118 (larvae)
"	" "	29134 (larva)
"	" Positive	29132 (larvae), 29150 (adult + p.c.)
"	" "	29162 (moults + p.c.)
"	" "	29163 (moults + p.c.), 29164 (parasite)
"	" "	29196 (moults + p.c.)
"	" "	29142 (moults + p.c.), 29181 (pupa)
" Failure, note slip not kept	" Negative	
"	" "	29166
"	" "	
"	Ends, Failed to get winged form	
"	" Positive	29137 (larvae), 29200 (moults), 29242, (pupa + p.c.) 29208.
"	" "	29136 (moults)
"	" "	29173 (fly + paras. pupae, also p.c.)
"	" Negative	29143 (eggs). 29180
" Failure, note slip not kept	"	29264 (pupa) 29218
"	" Positive "	29147 (larva), 29170 (moults + p.c.)
"	"	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1404	Lepidopterous larvae on Clover for adults	Urbana, Ill.	July 27, 1900	Forbes,
1405	" " " " " "	" "	" " "	" Bea
1406	" pupa " " " "	" "	" " "	"
1407	Dipterous larvae in rotting sugar beets for adults	Tremont "	" " "	" Beac
1408	Grape filbert-galls from wild grape " "	Todd's Point "	" " "	" "
1409	Lepidopterous larva from Clover " "	Urbana "	" 30 "	"
1410	" pupa " " " "	" "	" " "	"
1411	Dipterous " " in timothy " "	" "	" 31 "	" Beac
1412	Lepidopterous larvae and pupae from morning glory for adults	" "	Aug. 2 "	" "
1413	" " in Clover heads " "	" "	" " "	" "
1414	Coleopterous eggs from Clover " "	" "	" " "	"
1415	Lepidopterous larva on Clover " "	" "	" " "	" Beac
1416	Cocoon " " "	" "	" " "	"
1417	Lepidopterous larva " " " "	" "	" 3 "	" Bea
1418	Bud worms on Apple " "	Alton, Ill	" 8 "	" "
1419	Pupae worms in twigs of Carolina Poplar " "	" "	" " "	" "
1420	Lepidopterous larva on Clover " "	Urbana "	" 13 "	" "
1421	Dipterous larvae " " " "	" "	" " "	" "
1422	Lepidopterous " " " " " "	" "	" " "	" "
1423	" " " " " "	" "	" " "	" "
1424	" " " " " "	" "	" " "	" "
1425	" " " " " "	" "	" " "	" "
1426	" " " " " "	" "	" " "	" "
1427	Hemipteron, adults, on Clover to ascertain if Clover is food plant	" "	" " "	" "
1428	" " " " " " " " " " "	" "	" " "	" "
1429	" " " " " " " " " " "	" "	" " "	" "
1430	Lepidopterous larva " " for adult	Athens, Ill	" 17 "	Beach
1431	" larvae " " " "	" "	" " "	" "
1432	Coleopterous larva " " "	" "	" " "	Forbes, Beach
1433	Lepidopterous larva " " "	Urbana "	" " "	" "
1434	Geometrid " " " "	Galesburg "	" 18 "	" "
1435	Lepidopterous larvae " " "	" "	" " "	" "
1436	" " " " "	" "	" " "	" "
1437	" larva " " "	" "	" " "	" "
1438	Grapholithid? larvae " " "	" "	" " "	" "
1439	" " pupae " " "	" "	" " "	" "
1440	Noctuid larva on Clover for adult	" "	" " "	" "
1441	Geometrid larvae " " " "	N. Henderson "	" 20 "	" "
1442	Cut-worm? pupae from clover field for adults	Princeton "	" " "	" "

REMARKS.		Accession Numbers.
No Notes.	End. Positive	29184 (adult+p.c.)
" "	" "	29209 (moth+p.c.), 29263 (pupa)
" "	" "	29171 (parasite+host), 29173 (parasitic flies)
" "	" "	29221, 29243. 29144, 29153, 29156, 29165, 29182, 29210, 29211
" "		25476 (galls), 29647, 31563,
" "	End. Positive	29187 (moth)
" "	" "	29198 (moth+p.c.) 29172 (moth+p.c.), 29178 (moth+p.c.), 29183 (moth+p.c.)
" "	" negative	29269 (pupa
" "	" positive	29155, 29227. 29201 (beetles+p.c.—adventitious), 29255 (moth), 29268 (p.c. & par 29176 (parasites), 29190 (par.) (29199 (par.) 29207 (moth+p.c.)
" "	" "	29244 (pupa) 29159 (larvæ), 29212 (moth+p.c.), 29222 (moths+p.c.)
" "	End. Species deter. from larvæ.	29160 (eggs), 29191
" "	" Positive	29213, (moth+p.c.)
" "	" "	2911 (cocoon+parasite)
" "	" negative	
Failure, note slip not kept.	" "	
" " " " "	" Positive	
" "		29197
" "	End. Positive	29229 (moth+p.c.)
" "	" negative	
" "	" negative	
" "	" "	
" "	" Positive	29250 (moth+p.c.)
" "	"	29260 (moth+p.c.) 29226, (par.+cocoon), 29239 (moths), 29245 (moth, pupa, p.c.) 29202 (larva), 29214 (larva, with fungus) 29215 (larva with fungus)
" "	"	29240 (moth), 29246 (p.c.), 29259 (moth+p.c.), 29203 29225 (par.+cocoon), 29224 (moth+p.c.), 29236 (moths)
" "	" Feeds on clover	29204
" "	" " " "	29205
" "	" " " "	29206
" "	" positive	29251 (moth+p.c.)
" "	" "	29253 (moth), 29256 (moth, p.c.+cocoons)
" "	" Failure.	29200 (moth+p.c. dead larvæ.)
" "	" Positive	29247. (butterfly+empty case), 29262
" "	" "	29257 (moth, p.c., pupa), 29275 (moth, p.c.) 29254, 29608 29237 (larva), 29248 (moth+p.c.), 29254 (moth+p.c.)
" "	" "	29270 (moth), 29278 (p.c.), 29235
"	"	
"		29217 (larva), 29889.
Failure, note slip not kept	End. Failure	
"	" Positive	29223 (moth)
"	" "	29262 (moth, p.c.)
"		29276 (moth, p.c.), 29348.
"		29277 (pupa)

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
1443	Lepidopterous pupa for adult	Princeton Ill	Aug. 20, 1900	Forbes, Beach
1444	" larva " "	" "	" " "	" "
1445	Grapholittid? larvae on clover for adults	Dixon "	" 22 "	" "
1446	Geometrid larva, very small, on " " "	" "	" " "	" "
1447	Lepidopterous larvae very small on Clover for adults		" " "	" "
1448	Bagworm, pupae? on evergreen trees " "	Hillsboro Ill	" 4 "	" "
1449	Lepidopterous larva " clover	Urbana "	" 31 "	" "
1450	" " " "	Dixon "	" 22 "	" "
1451	Parasitic dipterous pupa from Tipulids	Exp 13 12 S	Sept 6 "	" "
1452	" " larvae " "	" "	" 6 "	" "
1453	Chlorochroa conica? eggs on apple twigs, for adults	Columbia, Ill	Mch. 19. 1 "	" "
1454	Canker-worm on Elm, for pupae	Jacksonville "	May 15 1901	A.M. Beach
1455	Lepidopterous larvae on Plum for adults	Hardin "	" 22 "	" " "
1456	" " " Elm " "	Peoria "	" 24 "	C.A. Hart
1457	" " " " "	" "	" 31 "	A.M. Beach
1458	" larva (Noctuid?) on Apple for adult	"	" "	" " "
1459	Wireworms (probably Athous cucullatus) on Corn for adults	Eureka "	June 3 "	C.A. Hart
1460	Plum curculio adult on Apple for feeding habits	Clay City "	" 15 "	E.G. Titus
1461	" " " "	" "	" " "	" "
1462	Black curculionid adult on Apple " " "	" "	" " "	" "
1463	Melon louse on melons for winged adults	Lawrenceville "	" " "	" "
1464	Codling-moth larvae in apple (fruit) for adults	Clay City "	" " "	" "
1465	Apples injured by insect larvae?, for adults for identification	" "	" " "	" "
1466	Flea-beetles eating apple leaves for character of injury	Savoy "	" 18 "	" "
1467	Apple leaf-roller, pupae, for adults for identification	" "	" " "	" "
1468	Leaf-roller larvae, parasitized, on Apple for adults	" "	" " "	" "
1469	Palmer-worm? larvae on Apple, for adults & char. of larval injury	Urbana "	" 19 "	" "
1470	Codling-moth larvae in apple for adults	" "	" 18 "	" "
1471	Hymen. parasite, pupa, on apple leaf, for adult	" "	" " "	" "
1472	Cut-worm larvae for adults	" "	" 8 "	Ann Beach after 6/20, Titus
1473	" " " "	" "	" " "	Ann Beach after 6/20, Titus
1474	Epicaerus imbricatus, eggs, for larvae & feeding habits	" "	" 20 "	Titus
1475	Canarsia hammondi, eggs, to rear larvae & obtain life-history	" "	" " "	"
1476	Lepid. larvae, yg. (roller?) on Apple for adults " " " "	" "	" "	"
1477	Insect-eggs on dry stem of apple branch " " & det. species	" "	" 21 "	"
1478	" " " apple leaf " " " " "	" "	" "	"
1479	Plum curculio, larvae, from plums, for larvae & pupae	" "	" 23 — "	E.V. Bronson
1480	Bud-moth larvae on Apple for adults & life-history	Tonti to Olney, Ill	" 27 "	" "
1481	Flea-weevils " "	" " " "	" 28 "	" "

REMARKS.	Accession Numbers.
s notes. Failure, note slip not kept. Pupa died	
" "	29890,
" " End. Negative	29279 (fly)
" " End. Positive	29602
" " Graphiolithia interstinctana	29347 (larva), 29292 (moth + p.c.), 29305, 29888, [illegible] 346 (cases)
" "	29238 (larva), 29273 (♂'s), 29274 (♀'s), 29280 Pup.
" "	29620
" "	
" " End. Positive	29304 (pupa-image adult), 29323 (fly)
" " Failure, note slip not kept " " Negative	
ailed to hatch	29354, 28102.
	29603, 29605, 29606, 29607, 29712
	29585, 29653,
	29584,
	30794
	29727, 29876, 30020, 31654, 31842,
	29730,
	29635,
Failure	
	29609,
	29695,
	29674,
	29610, 29612, 29614,
	29638,
	29619,
	29621,
	29701,
Johnsongrass	29613, 29659, 29868, 29869, 29874, 29881, 29887, 29978, 30523, 30548, 30589, 30592, 30605, 30627, 30673, 30755, 30756, 30810.
" " "	
	29615, 29741,
	29617,
	29682
	29616, ~~29677~~, 29704, 30620, 31591, 31673–31677, 31792,
	29622
	29618, 32022,
	29675, 29689,
	29627, 29636,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1482	Hairy Skeletonizer, larvae, on Apple, for adults, life-history	Tonti to Olney, Ill.	June 29, '01	E.V. Bronson
1483	Leaf " " " " " "	" " " "	" 27 "	A.M. Leach
1484	Green lepidopterous larva " " " adult	" " " "	" " "	" " "
1485	Small " " " " " "	" " " "	" " "	" " "
1486	Insect-eggs on Apple for other stages for identification	" " " "	" 28 "	" " "
1487	Case-bearer on Raspberry for adults	Flora "	" 27 "	" " "
1488	Lepidopterous larva on Apple for adult	" "	" " "	" " "
1489	Green geometrid larva on Apple for adult	" "	" " "	" " "
1490	Leaf-roller larva on Apple " "	Tonti to Olney, Ill	" " "	" " "
1491	Striped tortricid? " " " " "	" " " "	" " "	" " "
1492	Notodontian? " " " " "	" " " "	" " "	" " "
1493	Tortricid? " " " " "	" " " "	" " "	" " "
1494	Insect eggs, parasitized, on Apple, for parasites	" " " "	" 28 "	" " "
1495	Leaf-roller? pupa on Apple for adult	" " " "	" " "	" " "
1496	Katydid nymphs on Snowberry for adults	Urbana, "	" "	E.V. Bronson
1497	Palmer-worm? on Apple for adults & life-history	Fairfield "	July 3 "	" " "
1498	Tineid larvae " " " "	" "	" " "	" " "
1499	Brochymena? eggs on Apple for nymphs	Tonti to Olney "	June 28 "	" " "
1500	Praying Mantis, egg-mass, parasitized, for nymphs or parasites	Jeffersonville "	July 3 "	" " "
1501	Cocoon of parasite, on apple leaf, for adult	Tonti to Olney "	" " "	" " "
1502	Brochymena? eggs, " " " " nymphs	Noble "	" 1 "	" " "
1503	Cocoons of parasite, " " " , " adults	W. of " "	" 2 "	" " "
1504	Brochymena? eggs " " " " nymphs for det.	Tonti to Olney "	June 28 "	" " "
1505	" ? " " " " " adults	" " " "	" " "	" " "
1506	Cocoons of ~~a wasp?~~ Osmia lignaria " "	Tonti " "	" " "	" " & Titus
1507	Case-bearer, larvae & pupa, " "	Mattoon "	July 11 "	E.G. Titus
1508	Flea-weevil, adults, for feeding experiments	Tonti & Flora "	June 26 "	" " "
1509	Colaspis brunnea " " " "	DuBois "	July 3 "	" " "
1510	Lepidopterous larvae on Grape for adults		" 11 "	" " "
1511	Shield-bearer " " Apple " "	Fairfield Ill.	" 3 "	Titus & Bronson
1512	Epicaerus, adults, on " " feeding habits	Clay City "	" 7 "	Titus
1513	Small tortricid larvae on Apple for adults	Jeffersonville "	" 3 "	E.V. Bronson
1514	Shield-bearer " " " " " & pupae	Mt. Vernon "	" " "	E.G. Titus
1515	Leaf-roller (green) " " " " & life-history	Olney "	June 27 "	E.V. Bronson
1516	Pupa on apple bark for adult	Tonti "	" 28 "	" " "
1517	" " " leaf " "	" "	" " "	" " "
1518	Larva? on apple leaf " "	" & Salem "	" 25 "	E.G. Titus
1519	Epicaerus imbricatus, eggs for life-history	Exp. 15-12	July 14 "	" " "
1520	Chinch-bugs for general experiments	Willey, Ill	" " "	" " "

REMARKS.	Accession Numbers.
	29755, 29756, 29757, 29758, 29760, 29796, 29799, 29859, 29907, 29908.
	29679, 29681, 29705, 29728, 29731, 29734, 29742, 29761, 29769
	29624, 29625, 29634, 29740.
	29623,
	29751, 29762, 29836, 29857, 29893, 30596, 31680-31682.
	30892.
	29729,
	29683,
	29764, 29834, 31793.
	29833, 29919,
	29632, 29633, 29651, 29708,
	29676.
	29637, 29832, 29901, 29955, 29963, 29972, 29975, 30522, 30549, 31873.
	29680,
	29639, 29652, 29678, 29709,
	29642, 29643, 29650, 29658, 29664, 29667, 29670, 29673, 29677, 29703, 29732, 29752, 29877.
	29644, 29649, 29878,
	29645.
	29646.
	29654, 29657
Checked & G. Tilles.	29655, 29665, 29668, 29671, 29879, 29880, 31454, 31913,
	29669, 29781, 32308
	29754,
	31607.
	29672, 29763, 29766.
	29684, 29685, 29694, 29706, 29707, 29733, 29739.
	29686, 29687, 29688.
	29882, 31794.
	29693.
	29767, 31795.
	29690.
	29691.
	29749.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
15-21	Leaf-crumpler larvae on Grape & Pear for adult & pupae	Mt. Vernon, Ill.	July 3, '01	E.G. Titus
15-22	Chinch-bugs, dead, to test for disease	Exp. 15-20	" 22 "	" " "
15-23	" " " " " " "	" "	" " "	" " "
15-24	" " " " " "	" "	" " "	" " "
15-25	" " " " " " "	" "	" " "	" " "
15-26	" " for eggs & young of all stages	" "	" " "	" " "
15-27	Ornix pupae for adults	Noble Ill.	June 27 "	E.V. Bronso
15-28	Chinch-bugs, dead, to test for disease	Exp. 15-20	July 23 "	E.G. Titus
15-29	" " young (12 hrs.?) for adults	" "	" 24 "	" " "
15-30	" " for eggs & young of all stages	" "	" " "	" " "
15-31	" " " " " " " " "	" "	" " "	" " "
15-32	" " " " " " " " "	" "	" 22 "	" " "
15-33	" " " " " " " " "	" "	" 24 "	" " "
15-34	Pierid pupa on Clover for adult	Griggsville Ill.	" 26 "	E.V. Bronso
15-35	Odontota rubra ?	" "	" 25 "	E.G. Titus
15-36	Lixus larvae and pupae from Rumex sp. for different stages	" "	" 26 "	" " "
15-37				" " "
15-38	Bot-fly ? pupa on horse for adult	Springfield Ill.	27 "	" " "
15-39	Insect larvae ? in apples for adults	Olney "	June 29 "	E.V. Bronso.
15-40	" " " " " "	Flora "	" 26 "	" " "
15-41	Tischeria larva on apple leaves for adult	Griggsville "	July 29 "	E.G. Titus
15-42	Tineid ? " " " " " "	" "	" " "	" " "
15-43		Dubois "	" 11 "	" " "
15-44	Geometrid larvae on Apple for adult	Griggsville "	" 29 "	E.V. Bronso
15-45	Dipterous larvae and pupae on apple leaves for adults	Urbana "	Aug. 1 "	E.G. Titus
15-46	Oniscidae on Carnation for remedey for injury	Champaign "	" " "	" " "
15-47	Apple aphis for life-history	Urbana "	" " "	E.V. Bronso.
15-48	Lepidopterous larvae on Apple	" "	" " "	" " "
15-49	Chinch bugs (500) to study damp and dry conditions	Exp. 15-20	July 29 "	E.G. Titus
15-50	" " " " " " " " "	" "	" " "	" " "
15-51	" " " " " " " " "	" "	" " "	" " "
15-52	" " (100) " " " " " "	" "	" " "	" " "
15-53	Sow-bugs from Frank's greenhouse for Paris green & sugar poison experiment	Champaign Ill	Aug. 1. "	" " "
15-54	" " " " " " poisoned soil experiment	" "	" " "	" " "
15-55	" " " " " " check on Exp. 15-5-3	" "	" " "	" " "
15-56		" "	" " "	" " "
15-57	Sow-bugs from Frank's greenhouse for check on Exp. 15-5-4	" "	" 2 "	" " "
15-58	Green and black spotted larvae on Purslane for pupae & adults	" "	" " "	" " "
15-59	Sow-bugs from Frank's greenhouse for poisoned meal experiment	" "	" 3 "	" " "

REMARKS.	Accession Numbers.
	29735, 29736, 29737, 29738.
	29745.
	29746, 29747, 29748.
	29753.
	29768.
	29772, 29831, 30545.
	29774, 29775, 29837, 30539.
	29776, 29777,
	29967.
	29783.
	29784, 30791, 30815, 30898.
	29782.
	29922.
	29788.
	31683-31684, 31789, 31967, 32331.
	29875, 29898, 29913, 30506.
	29884.
	29852, 31685
	29862, 29864
	29863,
	29886.
	29867,
	29886.
	2986 6.
	29885.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
1560	Codling moth larvae (2d brood) in apples for life-history	Urbana, Ill.	Aug. 2, 1901	E.G. Titus
1561	Lepidopterous miner in hickory leaves for adults	Springfield "	July 29 "	" " "
1562	6	Fairfield "	July 3 "	" " "
1563	Palmer-worm? feeding on apples for	Urbana "	" 27 "	E.V. Bronson
1564	Lepidopterous larvae on Box-Elder for [illegible] & life-history	" "	Aug. 7. "	E.G. Titus
1565	Chinch-bugs for experiments on pit-conditions	Exp. 15-20	" 8 "	" " "
1566	Tischeria malifoliella, pupae, in apple-leaves for adults	Urbana, Ill.	" 6 "	" " "
1567	Ornix sp., pupae. " " " " "	" "	" " "	" " "
1568	Geometrid larvae from Box-Elder for adults & pupae	" "	" 12 "	" " "
1569	Ornix sp.?, pupae " "	" "	" " "	" " "
1570	Lep. l[illegible], lvae & pupae, in " " & pupae	" "	" " "	" " "
1571	Chinch-bugs, dead, to test for disease	Exp. 15-20	July 30 "	" " "
1572	" " , adults (325) to study damp vs dry conditions	" "	" 29 "	" " "
1573	" " " (") " " " " " "	" "	" " "	" " "
1574	" " " (100) " " " conditions	" "	Aug. 13 "	" " "
1575	Lepidopterous larvae on Butternut for adults	Urbana Ill	" " "	E.V. Bronson
1576	Fall-webworm-larvae on apple.	" "	" 15 "	" " "
1577	Lepidopt. caterpillar on elm-leaf.	" "	" 7 "	" " "
1578	" imagos	" "	" 15 "	" " "
1579	" larvae fr. apple	Quincy "	" 19 "	" " "
1580	" " on hackberry.	Chicago "	" 16 "	E.G. Titus
1581	" " (webworm) on alder.	" "	" 23 "	" " "
1582	" " (webworm) " Salix regalis.	" "	" 21 "	" " "
1583	" " & pupae on Cassia sp.	" "	" 19-21 "	" " "
1584	" " (Datana) on Basswood	" "	" 20 "	" " "
1585	" & pupae on morning-glory	" "	" 17 "	" " "
1586	" from Amygdalis sp.	" "	" 19 "	" " "
1587	Lepidopt. " (Not. leucostigma) fr. various plants	" "	" 14-23. "	" " "
1588	" on apple-fruit.	Fairfield "	June 30 "	E. V. Brom.
1589	Galls on willow	Chicago "	Aug. 17 "	E.G. Titus
1590	Lepidopt. larva (webworm) on Cutleaved Birch.	" "	" 20 "	" " "
1591	" larvae on Honey-Locust	" "	" 22 "	" " "
1592	" " (small) " " "	" "	" " "	" " "
1593	" " " Oak	" "	" 23 "	" " "
1594	Arctians on Sweet Clover. [illegible]	" "	" 26 "	" " "
1595	Lepidopt. larvae (N. leucostigma) on various plants	" "	Sept. 9 "	" " "
1596	Arctians on Chrysanthemum.	" "	Aug. 21 "	" " "
1597	Lepidopt. larvae on Canna.	" "	" 20 "	" " "
1598	" " " Salix laurelifolia	" "	" 18 "	" " "

REMARKS.	Accession Numbers.
	30520, 31940, 31969, 31993, 32047, 33918,
	29778, 29872, 29976, 31787
	29873,
	29993,
	{29942, 29980, 30586, 30597, 30806, 30807, 30809, {30897, 31693–31696, 31971, 32000,
	{29905, 29906, 29930, 29931, 29935, 29939, 29940, {29989–29992, 29999, 30502, 30503, 30552,
	{29932, 29933, 29934, 29937, 29938, 29941, 29945, 29946, {29951, 29952, 29953, 29954, 29961, 29988, 30505.
	29977, 30518, 30519, 31723, 31724, 32117.
	29929, 29959, 30504, 31582.
	29936.
	29966, 29971, 30525, 30936, 33650.
	29948.
	30578, 30587, 30608, 30670, 31703–31706, 32111, 33919
	29900,
	29958, 29979, 31678, 31679.
	{29956, 29970, 29974, 30542, 30543, 30601, 30793, 30808, {30817, 30826, 30835, 31628, 31629, 31707–31712.
	29968, 32009,
	29981, 30581, 31566,
	30526, 30540, 30595, 30792, 30938, 31541, 31700–31702, 32116.
	29983, 30811, 31686, 32112.
	29984, 29995, 29997, 30531, 30718, 30766, 30908, 30909, 31800.
	29982, 31744.
	29985, 29996.
	29986, 30532, 30544, 30831, 30832, 32040, 34336.
	{29987, 30580, 30602, 30607, 30612, 30613, 30659, {30765, 31687, 31725
	29998, 30546, 30547
	30511, 30565.
	30527, 30937, 32113.
	30554.
	30557, 30599, 31568, 31569, 31727, 31728, 31729.
	30558, 30585, 30588, 30616, 30621, 30674, 31570, 31726.
	30559, 31731, 32115,
	31567.
	30594, 30714, 31697–31699, 32002.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
1599	Lepidopt. larvæ on Spiræa	Chicago, Ill.	Aug. 19. 1901	E. G. Titus
1600	" " borers on Willow	" "	" 18 "	" " "
1601	" " " " Box Elder	" "	" 20 "	" " "
1602	" " " " Cornus sp.	" "	" 19 "	" " "
1603	" pupæ, miner of Chrysanthemum.	" "	" 23 "	" " "
1604	" larvæ from Dogbane.	Urbana "	Sept. 6 "	E. V. Bronson
1605	Hymenopt. (parasit.) cocoons	Exp. 1564	" " "	" " "
1606	Arctians (brown) from-	Chicago Ill.	" 9 "	E. G. Titus
1607	" " " Lotus	" "	" 3 "	" " "
1608	" " " Salix longifolia	" "	" 4 "	" " "
1609	Lepidopt. larvæ fr. Salix	" "	" 5 "	" " "
1610	" " " "	" "	" " "	" " "
1611	" " " Lilac.	" "	" 9 "	" " "
1612	" " " Salix	" "	" 6 "	" " "
1613	" " " Spiræa sp.	" "	" 7 "	" " "
1614	" " " Honey-suckle.	" "	" 3 "	" " "
1615	" " " Willow	" "	" " "	" " "
1616	" " " Populus.	" "	Aug. 30 "	" " "
1617	" " " Lilac.	" "	Sept. 3 "	" " "
1618	" " " Mulberry(?)	" "	" 9. "	" " "
1619	Cecropia " (parasitized) fr. Lilac.	" "	" 2 "	E. G. Titus.
1620	Dipter. puparium on Eng. elm leaf	" "	Aug. 16 "	" " "
1621	Lepidopt. larvæ (leaf-roller) on Rhus copalina.	" "	" 31 "	" " "
1622	Dipter. puparium fr. Anoxia larvæ.	Urbana "	Sept. 10 "	E. V. Bronson
1623	Hesperid larvæ fr. Amorpha fruticosa.	Chicago "	Aug. 31 "	E. G. Titus
1624	Lepidopt. " on Grape-leaves.	Urbana "	Sept. 10 "	" " "
1625	" " fr. Spiræa opulifolia.	Chicago "	Aug. 31 "	" " "
1626	Chrysomelids (imagos) on Potentilla fruticosa.	" "	" " "	" " "
1627	Aphis on Cow-peas.	Xenia "	Sept. 11 "	" " "
1628	" " " "	Edgewood "	" 12 "	" " "
1629	Lepidopt. larvæ (borer) in leaves of Nelumbium sp.	Chicago "	" 3 "	" " "
1630	Syrphus-pupæ from Aphis on Cowpea.	Edgewood "	" 7 "	E. V. Bronson
1631	Leaf roller on twigs of Spiræa Vanhouttii	Chicago "	Aug. 31 "	E. G. Titus.
1632	Leaf-folder on Spiræa Vanhouttii.	" "	" 30 "	" " "
1633	Parasites on pupæ of Notol. leucostigma.	" "	Sept. 2-7 "	" " "
1634	Lepidopt. larvæ from Sycamore.	Urbana "	" 13 "	E. G. Titus & E. V. Bronson
1635	" " " Basswood.	" "	" 14 "	E. V. Bronson.
1636	Geometrid " " "	" "	" " "	" " "
1637	Arctian " " Lotus.	Chicago "	" " "	E. G. Titus.

REMARKS.	Accession Numbers.
	30560.
	30529, 30999, 31511, 31798.
	30533, 33916,
	30574, 32056, 32103–32109, 32278, 33249
	30582, 30609, 30614, 30629, 30893.
	30603, 30823, 30830, 31713, 32017, 32147, 32305, 32333, 33274.
	30610, 30615, 30715, 30764, 30894,
	30812, 30964, 31714, 31853
	30757, 30761, 30876, 31571, 31715, 31925, 31944.
	30768, 31503, 31572, 31716, 33644.
	30671, 30672, 30839, 31717
	30751, 30754, 30813, 30821, 31573, 31574, 31718, 31936,
	31606, 31762.
	31719, 32207.
	30666
	30833, 31575, 31924.
	30822, 31720.
	30767, 31721, 32314, 33639.
	30623, 31722, 31922.
	30625, 30829, 31669.
	30663–30665, 31589, 31831.
	30678, 30748, 30749, 32099, 32318, 33845.
	30622, 30889.
	30626, 30687, 30688, 30750, 31737, 32110.
	31611–31613.
	30661, 30662, 30720, 30895
	30668 30769–30771.
	30696–30700, 30816, 30824, 31510, 31561.
	30701, 30825, 31305, 31516, 31820, 32243.
	30624, 30675, 30733.
	30714, 30738, 30772.
	30719, 30731.
	30728, 30729, 32209.
	30735, 30818, 30819, 30827, 30828, 30837, 30841, 30899.
	30743–30747
	30752
	30753, 30836, 30840, 30842
	30758, 30814, 30834, 30880, 31576.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1638	Arctian larva fr. Lotus	Chicago Ill.	Sept. 14. 1901	E. G. Titus.
1639	" " " "	" "	" " "	" " "
1640	Chrysomelid (imago) feeding on Cornus leaves	" "	Aug. 31 "	" " "
1641	Lepidopt. larva (fall webworm) on Elm.	Urbana "	Sept. 14 "	" " "
1642	Arctian(?) " fr. Willow	Chicago "	Aug. 23 "	E. V. Bronso
1643	4 Hymenopt. cocoons on body of lepid. larv.	Exp. 1636	Sept. 26 "	G. I. Reeves
1644	Dipter. larva from Elm.	Chicago Ill.	" 23 "	E. G. Titus
1645	Coccinellid larva fr. Pine	" "	" 27 "	" " "
1646	Leaf-feeder & miner in Calystegia sepium.	" "	" 25 "	" " "
1647	Aspidiscus sp. on Grape-leaves.	" "	" 24 "	" " "
1648	Galls on twigs of Salix rosmarinifolia	" "	" 23 "	" " "
1649	Parasitic larva in mines of Poplar-miner.	" "	" 24 "	" " "
1650	Lepidopt. " , Nelumbium feeder.	" "	" 19 "	" " "
1651	" " fr. Viburnum lentago	" "	" 29 "	" " "
1652	" "(leafminers) in Oakleaves (upper surf.)	Urbana "	Oct. 2 "	" " "
1653	" " " " " (lower ")	" "	" " "	" " "
1654	" " " " Basswood (" ")	" "	" " "	" " "
1655	" " " " Oak. (upper ")	" "	" " "	" " "
1656	Dipterous " fr. Elm-bark.	Chicago "	Aug. 16 "	" " "
1657	Lepidopt.(?) borer in Viburnum lentago	" "	Sept. 27 "	" " "
1658	" larva (leafroller) fr. Viburnum opuli ster.	" "	" 24 "	" " "
1659	" eggs on Elm bark.	" "	" 20 "	" " "
1660	Chrysomelid (imago) feeding on Nuphar-leaves	Urbana "	Oct. 2 "	" " "
1661	Lepidopt. larva & pupa (of Elm leafworm)	Chicago "	Sept. 25 "	" " "
1662	Hymenopt. galls on leaves of Quercus	Urbana "	Oct. 7 "	" " "
1663	" " " " " "	" "	" " "	" " "
1664	Noctuid(?) pupa	" "	" 8 "	" " "
1665	Larva of Papilio troilus	" "	" 2 "	" " "
1666	Diabrotica 12-punctata on flowers of Pyrethrum.	Chicago "	Sept. 25 "	" " "
1667	Leaf-crumpler-larva on apple-leaves.	Bloomington "	Oct. 4 "	" " "
1668	Leaf-roller — " " peach- "	" "	" " "	" " "
1669	Lepidopt. larva (woolly) on apple-leaves	" "	" " "	" " "
1670	" " (green leafroller) on " "	" "	" " "	" " "
1671	" " (noctuid).	Urbana "	" 1 "	" " "
1672	Coleoptera (imagos) feeding on Cassia sp.	Chicago "	Sept. 2 "	" " "
1673	Fall webworm (?) fr. Box-elder.	Urbana "	Oct. 2 "	" " "
1674	Lepidopt. larva fr. Willow.	Chicago "	Aug. 23 "	" " "
1675	Dipter. " & pupa (small) S. cecropia.	Exp. 1619	" 4 "	" " "
1676	Lepidopt. " (Nomestra legitima).	Urbana, Ill.	Oct. 19 "	" " "

REMARKS.	Accession Numbers.
	30759, 30820, 30877, 30878, 31658, 31660, 32003.
	30760.
	30773, 30774, 30967, 31531.
	30780 – 30789
	31622, 31623, 31848, 31851, 32118
	31615, 31616.
	30853, 30874, 31553, 31730, 31823, 31824.
	30854, 31542, 31691, 31692.
	30855, 30856, 30931, 30961, 30963, 31500, 31558, 31578–31581, 31584, 31590, 31610, 31621, 31627, 31630–31632, 31634.
	30844, 30955, 31509, 31775.
	30870.
	30875, 30921, 31785, 31854,
	30871, 30935, 34210,
	30838, 30962, 31588, 31609, 31640, 31666, 31799, 31826.
	30881, 31780, 31952.
	30882, 33827.
	30883, 31767.
	30885–30888.
	30896, 30997, 30998, 31501
	30913–30920, 30948, 30960
	30872, 31763, 31773
	30950, 30951, 30953
	30956, 30988, 31538–31540, 31756, 32198, 32362, 32363, 33150.
	30957, 31933
	30958, 31832, 31949.
	30968, 31916
	30972, 31577, 31764, 32100, 32277, 32332.
	30977, 30978
	31663, 31819, 31930, 33846
	31562, 31583, 31656, 31657, 31821, 31830, 31963.
	31592, 32340.
	31582, 31587, 31608, 31655, 31752, 31753, 31818, 31959.
	31560, 32295.
	31532, 31533
	31585, 31641–31643, 31649–31651, 31665, 31671, 31749–31751.
	31614
	30890, 30891, 31644, 31652, 31664, 31822, 31828, 31829, 31921
	31645

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1677	Lepidopt. larvæ (Mamestra legitima)	Urbana Ill.	Oct. 19. 1901.	E. G. Titus
1678	" " " " , parasitized.	" "	" " "	" " "
1679	" " (Apatela oblinita) fr. Viburnum lentago.	Chicago "	Sept. 28 "	E. V. Bronse
1680	" pupæ (Notol. leucostigma), parasitized.	" "	" 23 "	E. G. Titus
1681	Hymenopt. nests (Nyssonids).	Urbana "	Aug. 5 "	" " "
1682	Leaf-mines on under side of Basswood leaves.	" "	" " "	Titus & Reeves
1683	Hymenopt. galls on Oak-twig.	Chicago "	Sept. "	E. G. Titus
1684	Lepidopt. larvæ & pupæ fr. Silanthus granulosus.	Urbana "	Nov. 1. "	" " "
1685	" " " (leafmining) fr. Elm.	" "	" " "	" " "
1686	Hymenopt. cocoons in borings in stick.	" "	Oct. 30 "	" " "
1687	Egg masses of Praying Mantis	Flora "	Apr. 24, 1902	Kahl
1688	" " " " " on peach	Makanda "	" 2 "	"
1689	Geometrid larva from under leaves in Univ. Forest	Urbana "	" 23 "	"
1690	Larvæ of Nephelodes violans from grass " "	" "	" " "	Titus
1691	" " Noctua clandestina under leaves " "	" "	" " "	"
1692	Cecropia cocoons with pupæ, on walnut, Garfield Blvd.	Chicago "	Aug & Sept, 1901	"
1693	Minute Geometrid larva on elm	Decatur "	May 2, 1902	Kahl
1694	Lepidopt. pupa from honey locust at D. J. Parke's place.	" "	" " "	"
1695	Microlep. " " " " " " " "	" "	" " "	"
1696	" " " " " " " " "	" "	" " "	"
1697	Parasitized larva of Nephelodes violans from grass in Univ. Forest	Urbana "	" 4 "	"
1698	Canker worms from elm	Ottawa, Kan.	" " "	"
1699	Gastroidea cyanea eggs larvæ & imagos, on Rumex & Rhubarb	Carterville, Ill	Apr. 29 "	"
1700	Cutworms found feeding on Rhubarb	" "	" " "	"
1701	" " " " "	" "	" " "	"
1702	" on mullein	Carbondale "	" 30 "	"
1703	" " "	Carterville "	" 29 "	"
1704	4 microlep. larvæ on raspberry	Makanda "	" 30 "	"
1705	Young larvæ of Notolophus leucostigma found in Insectary	Urbana "	May 6 "	"
1706	" " " " " " " "	" "	" " "	"
1707	Leafminer pupa on upper side of basswood leaf in Univ. Forest.	" "	Oct. 15, 1901	G. D. Reeves
1708	" " larva on Catalpa leaves	Chicago "	Sep. 3 "	Titus
1709	Lepidopt. pupa on upper side of leaf of Cutleaf Birch in Lincoln Park	" "	" 19 "	"
1710	Spilosoma virginica pupae (5) from Lilac + Amygdalis	" "	" 2 "	"
1711	Syrphid larva feeding on coccids on cucumber in greenhouse	Urbana "	" 6 "	"
1712	Tenthred. larva on Capsella bursa-pastoris	" "	" 8 "	"
1713	" larvæ " gooseberry.	" "	May 8, 1902	Kahl
1714	3 pupæ of Spilosoma virginica under leaves of Sagittaria	Chicago "	Oct. 2, 1901	Titus
1715	Noctuid pupa under leaves of Sagittaria	" "	" " "	"

REMARKS.	Accession Numbers.
	31646, 31788, 32337.
	31841, 32114.
	31653,
	31672.
	31802–31807, 31812, 33852.
	31833, 31834, 32013, 33194
	31855–31857, 31859, 32125, 33128, 33155.
	31845, 31860, 31861
	31847, 31867.
	31843.
	33642.
	33643.
	31918, 31966, 32378
	31919, 31920, 31931, 31942, 31964, 31968, 31972, 31973, 32434.
	31917, 34315, 34341.
	32334
	32335
ne lot as 1890.	31961
	31945, 32001, 34357,
	31975, 33917.
	31997.
	31953, 33264.
	31934, 31996, 34344
	31954, 33276,
	31941
	31926
eggs were gathered the preceding fall by Titus	31926, 33661.
	31927.
	31928.
	31929.
	31932, 32121, 32122.
	32230
	32036
	31951, 31965, 31974, 32037, 34325, 34333.
	31937.
	31938.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
1716	Locustid eggs on twig of European Linden, Univ. grounds	Urbana, Ill.	May 8, 1902	Kahl
1717	Lina lapponica, mating imagos + eggs on willows, Crystal Lake	" "	" " "	"
1718	Lepidopt. larvae	Rafatee "	" 9 "	"
1719	" larva on Rumex leaf.	Ashley "	Apr. 28 "	Titus
1720	Larvae of Acronycta sp. on Rumex	Urbana "	Oct. 22, 1901	"
1721	2 Cutworms	Barry "	May 9, 1902	Kahl
1722	Lepidopt. pupa on ground under ash in Jackson Park	Chicago "	Sept. 6, 1901	Titus
1723	Microlepidopt. pupae (2) under Larch tree	Urbana "	Apr. 23, 1902	Kahl
1724	Lepidopt. larva from apple	Cartersville "	" 30 "	Titus + Kahl
1725.	Larva of canker worm on "	" "	" " "	" "
1726	Lepidopt larvae (6) on Bleditschia triacanthos	Richview "	May 10 "	" "
1727	Tent caterpillars (26) on apple.	Mt Vernon "	" 11 "	" "
1728	Insect eggs (11) on under side of Sumach leaflet	Summerfield "	" 12 "	" "
1729	Gastroidea larvae (parasitized?) on Rumex	Odin "	" " "	" "
1730	Cynipid gall on root of wild raspberry	Mt. Vernon "	" 11 "	" "
1731	Tenthredinid larvae on " "	Lebanon "	" 12 "	" "
1732	Egg masses of Praying Mantis on Apple	Mt Vernon "	" 10 "	" "
1733	Cecidomyiid galls on ash?	" "	" 11 "	" "
1734	Galls on under side of oak leaves	" "	" 12 "	" "
1735	Cynipid galls on veins on under side of oak leaves	" "	" 11 "	" "
1736	Elm leaves with mines	Ashley "	" 10 "	" "
1737	Hackberry " " "	" "	" " "	" "
1738	Mines on leaves	" "	" " "	" "
1739	Cynipid galls on oak	Mt Vernon "	" 11-12 "	" "
1740	" " " rose bush	Summerfield "	12 "	" "
1741	Braconid cocoons on grass	Lebanon "	" " "	" "
1742	Chrysalis from peach	Mt Vernon "	" 11 "	" "
1743	Cynipid galls from oak	Cartersville "	Mar. 12 "	" "
1744	Coccinellids feeding on Dactylopius	Capetown S. Africa	———	———
1745	Pupa on Potentilla	Mt Vernon, Ill.	May 11, 1902	Titus + Kahl
1746	Eggs from doorpost at Mr. Titus's house	Urbana "	" 16 "	" "
1747	Dipterous larva at Nat. Hist. Bldg	" "	" 19 "	" "
1748	Minute larva found dropping from an elm leaf	" "	" 16 "	" "
1749	Dipterous larvae found on currant bark	Farmingdale "	" 13 "	Kahl
1750	Lepidopt. larva on elm	Urbana "	" 17 "	"
1751	" " " sugar maple	" "	" " "	"
1752	Galls of plant-lice on elm leaves	" "	" " "	"
1753	Psyllid? galls on box elder	" "	" " "	"
1754	Tenthredinid larvae (5) on ash leaves	" "	" " "	"

REMARKS.	Accession Numbers.
	{31478, 31479, 31487, 32139, 32457, 33191, 33193, 33670, 33829, 33877, 33886.
	31955.
m.m.j.	31956, 33182, 33869, 33897.
	31957, 32339.
	31943, 31958.
	31960.
	31962,
	32338
	31979, 32324
	31980, 32130, 32140, 32379–32381, 32385–32387, 32405.
	31987 33180.
	32035, 32203.
	32142, 33149.
	31989, 31998, 32014, 32020, 32039, 32143.
	33152.
	32204.
	32206
	32205.
	33205.
	33200
	31988, 33179
	33148.
	32016
	32021
	32010
	31455 32079–32081.
	32011.
	32012.
	32038, 33528
	32329
	32248.
	32019, 32120.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1755	Syrphid puparium on apple	Mt Vernon, Ill.	May 10, 1902	Titus + Kahl
1756	Dipterous larvae in leaf formation on box elder, + larva in stem	Urbana, Ill.	" 18 "	Kahl
1757	Larvae on Carolina poplar	Sidney "	" 19 "	"
1758	Dipterous larvae in galls on leaves of Gleditschia	" "	" " "	"
1759	Papilionid larva from Carolina poplar.	" "	" " "	Titus + Kahl
1760	Tenthredinid pupae (2) on willow	" "	" " "	" "
1761	Lina lapponica larvae, eggs + adults from willow	" "	" " "	" "
1762	Black Geometrid larva on willow	" "	" " "	" "
1763	Leaf-miner larva on soft maple	" "	" " "	" "
1764	" " " " " "	" "	" " "	" "
1765	Tenthredinid larva on Rubus at Insectary	Urbana "	" 21 "	—— "
1766	Lepidopt. larvae on willow	Sidney "	" 19 "	Titus + "
1767	Test of printer's ink for banding, on trees near insectary	Urbana "	Jan. 20 "	"
1768	Lepidopt. borer larvae in Lilac stems in Sinclair nursery	Decatur "	Oct. 17, 1901	"
1769	" pupa under leaves at base of oak	Urbana "	" 10 "	" + Kahl
1770	Spilosoma virginica, ♂ + ♀, for eggs, &c.	Exp. 1710	May 4, 1902	—— "
1771	Lepidopt eggs (12) on Carolina poplar	Sidney, Ill.	" 19 "	Titus
1772	Pupae (2) of parasite on leaf-miner on cutleaf birch	Chicago "	Sep. 23 1901	"
1773	Leaf-miner larvae on basswood	Urbana "	Oct 10 "	Titus + Kahl
1774	Alder leaves with blotch mines	Chicago "	Sep. 1 "	Titus
1775	Gastroidea cyanea ♂♀♀, for eggs &c	Exp. 1699	May 12, 1902	Kahl.
1776	Lepidopt. pupae from basswood + maple, Jackson Park	Chicago, Ill.	Sep. 3 1901	Titus + Kahl
1777	Leucarctia acraea larvae on Rumex	Urbana "	Oct. 22 "	" "
1778	Hetenopt. eggs (14) on elm leaf	Decatur "	May 22, 1902	" "
1779	Hymenopt. larvae on younger elder plants	Urbana "	" 25 "	Kahl
1780	" larva " young " "	" "	" " "	"
1781	Geometrid " from elm at Calamus Lake	Niantic "	" 23 "	Titus
1782	Fleaweevil larvae on apple leaves.	Sonti "	" 24 "	
1783	Chrysomelid " from Carolina poplar	Decatur "	" 23 "	
1784	Lepidopt. larvae on oak leaf.	Niantic "	" " "	
1785	Elm limbs containing borers	Decatur "	" 22 "	
1786	Geometrid larva on elm	Niantic "	" 23 "	
1787	Lepidopt. leaf roller larva on rose	" "	" " "	
1788	Chrysomelid pupae on blue grass stems	Sonti "	" 24 "	
1789	Lepidopt. larvae on blue grass	" "	" " "	
1790	" " " heads of Hordeum pusillum	" "	" " "	
1791	Tenthredinid. " " hickory leaves	Decatur "	" 22 "	Titus + Kahl
1792	Geometrid larva " " "	" "	" " "	" "
1793	Lep. leaffolder " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
	32023
	32027
	32041, 32137, 32328.
	32042.
	32138, 32330.
	32054, 32141.
	32048.
	33119
	32101, 32102, 32287, 32384, 32402, 33188.
	32119.
	32128, 32129, 32311.
	32123, 32208
	32124
	33126.
	33127
	32152, 32322, 32323, 33192, 33648, 33649, 33808.
	32145, 33637.
	32146.
	32144, 32325.
	32148, 32226–32228, 32320 32321, 34339.
	32229, 32316
	32170, 32313
	32184, 32193, 33121.
	32263, 32264, 32265.
	33638.
	32341.
	33123
	32174, 32279, 32280
	32180. 33265
	32183, 32300
	32149–32151, 33525, 34330.
	33651.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
1794	Coccinellid larvae from elm	Niantic, Ill	May 23, 1902	Titus + Kahl
1795	Epicaerus imbricatus, adult, from apple	Tonti "	" 24 "	" "
1796	Lepidopt. larvae on young apple tree	Alma "	" " "	" "
1797	" " " wheat	" "	" " "	" "
1798	" leaf roller pupa from oak	Tonti "	" " "	" "
1799	Large Geometrid larva from apple	Hardin "	" 27 "	" "
1800	" " " "	" "	" " "	" "
1801	Plant lice in their galls infested with dipterous larvae, on Pecan tree	Farmingdale "	" 24 "	Kahl
1802	Capsid nymph on leaf of one of the Labiatae(?)	Urbana "	" 25 "	"
1803	Lepid. larvae (3) boring in stems of a species of milkweed	Tonti "	" 24 "	Titus + Kahl
1804	Green Geometrid larva from apple	Hardin "	" 27 "	" "
1805	Magdalis armicollis adult from elm	Decatur "	" 26 "	" "
1806	Parasitized canker worms " "	Niantic "	" 23 "	" "
1807	Oberea bimaculata adults on elm	Decatur "	" 26 "	" "
1808	Elongated hickory galls with larvae + 2 Hymen. pupae	Urbana "	" 25 "	Kahl
1809	Lepid. larva on oak	Mt. Vernon "	" 11 "	Titus + Kahl
1810	" larvae (3) " "	" "	" 10 "	" "
1811	Microlep. larva on elm	Ashley "	" " "	" "
1812	" " on apple leaves	Mt. Vernon "	" " "	" "
1813	Tortricid " " hickory leaf	" "	" 11 "	" "
1814	Lepidopt. " " " "	" "	" " "	" "
1815	" " " a 5-leafed tree	" "	" 10 "	" "
1816	Galls on rose-leaves	Urbana "	" 28 "	Kahl
1817	Lepidopt. larva on elm leaves	" "	" 4 "	"
1818	Lina lapponica, eggs, different larval stages, pupa, imagos.	" "	" 24 "	"
1819	Lepid. leaf-roller larvae on Salix	" "	" 29 "	"
1820	" larvae from Asclepias	" "	" " "	Kahl + Titus
1821	Acronycta larvae on Rumex crispus	" "	" " "	Kahl
1822	Tylodinna egg on Oenothera biennis	" "	" " "	"
1823	Geometrid larva on box elder	" "	" 30 "	"
1824	Tenthredinid larvae	Port Byron "	" " "	"
1825	Catocala larva on apple	——	" " "	"
1826	Cynipid galls on twig of Quercus albus	Urbana, Ill.	" " "	Titus + Kahl
1827	Lepid. leaf folder on Monarda fistulosa	" "	" 31 "	" "
1828	Emphytus maculatus larvae on strawberry leaves	" "	June 1 "	Kahl
1829	Agrotis subgothica larvae from clover	Salva "	May 31 "	Titus + Kahl
1830	Parasitized leaf-roller larvae on ash	Urbana "	June 2 "	" "
1831	Codling moth larva from rolled apple-leaf	McVernon "	May 13 "	" "
1832	Cutworms found eating cabbage leaves	Manito "	June 2 "	Kahl

REMARKS.	Accession Numbers.
	32177, 33868.
e lots; 1795, 1795a, 1795b, with apple for eggs, &c.	
	33645.
	32211.
	34340.
	32400.
	32153. 33811, 33863.
	32155.
	32156.
	32294, 32391.
	32175, 32221.
	32181, 33858.
	32182, 32281, 33523, 33730.
	32159, 33653.
	33652.
	32212, 32213, 32215
	32342
	32292
	32199
	32200, 33277.
	32201, 32327.
	32202, 33146.
	32214, 32401
	32216, 32217.
	32399
	32223
	32366, 32368, 32369, 33343.
	32222.
	32232, 32233.
	31474, 32343.
	32234, 33170.
	32249, 33641, 33659.
	32276, 32319, 33280.
	32290.
	32286, 33124
	32293.
	32296, 33640.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
1833	Parasitized Lepidopt. larvae on Lilac.	Chicago, Ill.	Sept 4, 1902	Kahl
1834	Tenthredinid larvae on cherry	Normal "	Jun. 3 "	Kahl + Titus
1835	Lepidopt. galls on Amorpha fruticosa	Chicago "	Aug 31, 1901	"
1836	Tenthredinid larvae, Univ. Forest.	Urbana "	Jun. 3, 1902	Kahl
1837	Lepidopt. larva on Prunus padus(?)	" "	" " "	"
1838	Orchestes pallicornis imagos	Exp. 1782	" 4 "	Titus
1839	Homopt. nymphs from Virginia creeper	Urbana, Ill	" " "	"
1840	Geometrid larvae from Rumex crispus	" "	" 5 "	"
1841	Dipterous larvae feeding on plant lice on Monarda fistulosa	" "	May 30 "	Kahl
1842	Coccinoptera dominicana ♂♀ in copula on poison ivy	" "	Jun. 11 "	"
1843	Ichneumonid larva in their cocoons, from cocoons of Cecropia moth	Chicago "	" 14 "	"
1844	Lepid. larvae (2) on oak leaves	Tonti "	May 24 "	Titus + Kahl
1845	Microlep. larva on " leaf	" "	" " "	"
1846	" " " " "	" "	" " "	"
1847	Grapta larvae (2) on elm.	Urbana "	" 31 "	Kahl
1848	Chrysopa larva on elm	Niantic "	" 24 "	Titus
1849	Lepidopt. larvae found in elm leaf galls.	Vandalia "	Jun. 20 "	Titus + Kahl
1850	Gelechia gallaesolidaginis larvae from Solidago	Greenville "	" 19 "	"
1851	Test of Los Angeles No. 5 summer wash for San Jose scale	Urbana "	" 24 "	Titus
1852	" " " " " 4 " " " " " " "	" "	" 23 "	"
1853	Small green Lepidopt. larvae on apple leaves	DuBois "	Jul. 15 "	Kahl
1854	Appleleaf Bucculatrix pupa in cocoon.	" "	" " "	"
1855	Cyrtoneura stabulans larvae.	Urbana "	— — —	"
1856	Lepid. larvae from leaves + stalk of cut-leaf elder	Chicago "	Sep 2, 1901	Kahl + Titus
1857	Dipt. larvae feeding on decaying tomatoes	Urbana "	Aug 28, 1902	Titus
1858	" puparia, very fresh, from muskmelons	" "	" " "	"
1859	Nolophana malana pupa	(— —	" 23 "	Kahl + Titus
1860	Lina lapponica pupa	Urbana, Ill.	May 24 "	Kahl
1861	Languria mozardi pupa in Kuhnia eupatorioides	Neoga "	Sep. 10 "	Titus
1862	Larva taken under cottonwood tree	Urbana "	Jul. 14 "	Kahl
1863	Mushroom with dipt. larvae, from Univ. Forest.	" "	Jun. 10 "	"
1864	Noctuid larva on Cornus	" "	" 4 "	Titus + Kahl
1865	Geometrid larva on Rumex crispus	" "	" 5 "	"
1866	" larvae on Polygonum erectum	Cobden "	" 13 "	"
1867	Coleopt. larvae in heads of Helianthus annuus	Fort Collins, Col.	Aug 13 "	Kahl
1868	Tylodema larvae in stems of Oenothera biennis	Bridgewater, Ill	" " "	"
1869	Catalpa sphinx larvae	Albion "	" 21 "	Kahl + Titus
1870	Young Datana "	Brussels "	" 18 "	Titus
1871	Datana ministra eggs	Browns "	" 21 "	"

REMARKS.	Accession Numbers.
	32301, 32302.
	32307,
	33753, 33865.
	32303, 33282, 34338.
	33171
	32345, 33156.
	31483, 32344, 32370, 32388, 32389.
	32382, 32383.
	32390, 32406.
	32398, 32476
	32403.
	32404.
	32431.
he species as 32469	32432, 32433, 32467, 32468.
	32455
	32436
	32452, 33241–33244.
	33582.
	33660.
	33674.
	33676, 33677.
ued parasites only	33166, 33215, 33239, 33283, 33299, 33352.
	33705, 33706, 33828.
	33817.
	33806.
	32464–32466.
	31476, 31477.
	31482.
	31484, 31485
	3-181.
	33196.
	33201–33204, 33614, 34568.
	33655.
ted	33635.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
1872	Coleopt. pupa in root of Eupatorium serotinum	Bridgewater, Ill.	Aug 13, 1902	Titus
1873	Chalcid " " stem " " "	" "	" " "	"
1874	Coleopt. larvae cutting off large apple limbs	Catterville "	" 15 "	"
1875	Nearly full grown larvae of Datana on apple	Vermilion "	Jul 28 "	Kahl & Titus
1876	Cynipid galls on Oak leaf	Urbana "	Oct 6, 1901	Titus & Kahl
1877	Datana ministra eggs	Exp. 1875	Aug 23-25, 1902	Titus
1878	Scarabaeid larvae with corn plants	Sherman (?), Ill.	————	Kahl
1879	" " " strawberry plants	" "	————	"
1880	Green Lepidopt. larva on tomato fruit	Cobden, Ill.	Jun. 13, 1902	Titus & Kahl
1881	Chrysopa eggs on hickory	Decatur "	May 22 "	Kahl & Titus
1882	Grapta interrogationis larvae from elm	Rockford "	about Jul. 25 "	Kahl
1883	Galls on stems of Helianthus grosseserratus	Urbana "	Sep. 12 "	Titus
1884	" " " " Solidago	" "	" " "	"
1885	Coccinellid larva on ash.	Niantic "	May 23 "	"
1886	" " " hickory	Decatur "	" " "	"
1887	Larvae of Tischeria(?) from apple	Greenfield "	August "	Kahl
1888	" " Tortricid " elm	Decatur "	May 22 "	Titus & Kahl
1889	Parasitized cankerworm larva from elm	Niantic "	" 13 "	" "
1890	Coleopt. larvae in pods of Amorpha	Neoga "	Sep. 10 "	Titus
1891	Lepidopt. " on elder leaves (cut-leaf elder)	Chicago "	Aug. 31 "	"
1892	Arctian " " apple leaves	Cobden "	Jun. 15 "	Kahl & Titus
1893	Vanessa milberti larvae from nettle	Ft. Collins, Colo.	" 8 "	" "
1894	Crown-galls on stems of Kuhnia eupatorioides	Neoga, Ill.	Sep. 10 "	Titus
1895	Decaying potatoes infested by Diptera	Urbana "	" 9 "	"
1896	Lepidopt. larvae from plum	Vermilion "	Jul. 26 "	"
1897	Dipterous larvae in decaying muskmelon	Urbana "	Sep. 24 "	"
1898	Geometrid larvae on Cassia nictitans	Neoga "	" 10 "	"
1899	Coleopt. " in goldenrod stems	Urbana "	" 16 "	"
1900	Parasitized aphids on willow	Chicago "	" 3 "	"
1901	Drosophila larvae in muskmelons	Urbana "	" 24 "	"
1902	Lepidopt. larvae (3) from apple	DuBois "	Jul 18 "	Kahl
1903	Lophyrus abbotii cocoons	Hamlet "	Sep 29 "	Titus
1904	Drosophila larvae on melons	Urbana "	Aug " "	"
1905	Epicaerus imbricatus on dock	" "	Jun. 5 "	"
1906	Wireworms from corn-field	Farina Ill	" ", 1909	M.C. Tanquary
1907	Insects sprayed with Reinlein sprayer	Urbana, Ill.	Sep. 12-30, 1902	Titus
1908	Plants " " " "	" "	" " "	"
1909	Oberea sp. in elm twigs	Decatur "	" 11 "	"
1910	Lepidopt. larvae from poplar	Chicago "	" 2 "	"

REMARKS.	Accession Numbers.
	33607
	33606
	33634, 34322-34324.
	33134, 33153, 33271, 33646, 33647.
	33654.
	33270, 33657.
	33683, 33684.
	33684, 33685
	31488
	33117, 33118, 33838 33871.
	33837, 33839, 33840.
	33841-33844, 33876.
	33853, 33854, 33855
	33870.
	33893.
c 34082	33921.
	33923
	33941.
	33941.
	33250, 33251, 33351, 33436, 33942.
	33966, 34312, 34313, 34347, 34348.
Innes Place.	33995, 33996,
	33103, 33104, 33895.
	33106, 33107, 34345.
	33167, 33213, 33216, 33252, 33278, 33279.
	33195.
	33214, 33253, 33358, 33359.
	33238, 33292, 34317.
	33240.
	33246, 33273.
	33254, 33255.
	33267, 33268, 33583.
	33269, 34331, 34342.
	33135-33138
allowed to die by inoculary resistant	33275
die O.K.	41580. 42471. 44041,
	33291, 34526
	33295.
	33297, 33450.
	33284, 34362.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTS
1911.	Curculio from apple	Urbana, Ill.	———	Titus + Kl
1912	Acronycta larva, parasitized	Pegrim "	Oct. 3, 1902	Titus
1913	" " eating corn ear	Taylorville "	" 3 "	"
1914	Heteropt. eggs from Polygonum	Pegrim "	" 3 "	"
1915	Chrysomelid larvae " "	" "	" 4 "	"
1916	Coleopt. cocoons " "	" "	" " "	"
1917	Lepidopt pupae " "	" "	" " "	"
1918	Dipterous larvae + pupae from corn stalk	" "	" 3 "	"
1919	Coleopt. larvae from muskmelon	Urbana "	Sep. 9 "	"
1920	Balaninus larvae in chestnuts	" "	Oct. 27 "	"
1921	Galls on oak leaves, Crystal Lake	" "	Apr. 4, 1903	Jm Webster
1922	Heliothis larva, corn ear, Dalby farm	Taylorville "	Oct 3 "	Titus
1923	Oberea imagos + eggs	Decatur "	May 23, 1902	"
1924	Coleopt larvae feeding in willow stems	Tall Creek "	Apr 20, 1903	"
1925	Flea-beetles from plantain	" " "	" " "	"
1926	Elaterid larvae, + imago (?)	Urbana "	" 23 "	"
1927	Tenebrionid larvae from house	" "	" 12, 1902	"
1928	Lepid. imagos bred from cutleaf elderberry	Exp. 1891	May 15, 1903	"
1929	" larvae from Amorpha sp.	Nevada, Ill	Sep 10, 1903(?)	"
1930	Spotted geometrid larva on Cassia nictitans	" "	" " 1902?)	"
1931	Oberea sp., reared imago, placed on elm.	Exp. 1909 & 1923	May 18, 1903	" + Webster
1932	" " " " " " elm, Cornus + raspberry	1909	" " "	" —
1933	Cacoecia larvae + pupae on Quercus sp.	Dubois, Ill	" 22 "	"
1934	" " " " wild raspberry	Parker City "	" 23 "	"
1935	Crepidodera cucumeris on wheat, corn, weeds, &c	Odin, Cutler & Vienna "	" 22, 23, 25 "	"
1936	Lepid. larvae + pupae on Rumex acetosella	Eldorado "	" 23 "	"
1937	Larva boring in young box elder twigs	" "	" " "	"
1938	Dipt. galls on Gleditschia triacanthos	Dubois "	" 22 "	"
1939	" larvae feeding on plant lice	Parker City "	" 23 "	"
1940	Leaf-roller larvae on hickory	" "	" " "	"
1941	Curculionid larvae mining leaf of Liriodendron tulipifera	" "	" " "	"
1942	Oecanthus nymphs	Vienna "	" " "	"
1943	Lepid. larvae in galls on Amorpha fruticosa	Chicago "	Sept 1902	"
1944	" " on Gleditschia triacanthos	Odin "	May 21 " (?)	Titus + Webster
1945	Oberea imago on raspberry, for oviposition	Exp 1909 + 1946	" 20 "	" —
1946	larvae + pupae from elm	Decatur, Ill	Apr 19 "	" + Webster
1947	imago on elm, for oviposition	Exp. 1946.	May 20 "	" "
1948	Galls on cult. rose, Riverview Park	Quincy, Ill	Oct 6, 1903	Taylor
1949.	Green lepid. larva on white clover	" "	" " "	"

REMARKS.	Accession Numbers.
e lot of apples thrown away by some one.	32291.
	33300, 33437.
	33304, 34346.
	33311, 33350.
	33314, 33427, 33440.
	33315, 33316, 33344–33347, 33428, 33439
	33317, 33441, 33442.
	33318, 33319, 33349.
	33353–33355.
	33448.
	34215–34217, 34506, 34507.
ed	34337.
	34369.
	34326.
	38870-38875.
	34361, 34574.
	34360, 38869.
ples of agoo preserved under Exp. 1891.	34332.
	34372.
	34373.
	34481, 34513, 34521.
	34486, 34512, 34523.
	34482.
	34483, 34514, 34555.
	34484, 38867, 38868.
	34424, 34485.
	34524.
	34509–34511, 34525
	34527
	34487, 36043.
	34488.
	34567
	34515
	34569
	34576
	34601, 34683, 34696, 34697, 34765.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMEN DR
1950	Alydus eurinus adults on clover, for life hist	Quincy, Ill	Oct 6, 1903	Taylor
1951	Isia isabella, lawa "	Princeton "	" 9 "	"
1952	Lepid. lawa on red "	"	" " "	"
1953	Green " " " " "	"	" " "	"
1954	Red clover, ripening heads, for emerging insects	" "	" "	"
1955	Xyleborus celsus, in white pine	"	" "	"
1956	Borers in laurel oak	" "	" " "	"
1957	" " hawthorn	" "	" "	"
1958	Insects in white oak wood, for rearing, &c.	" "	"	"
1959	" " hard maple " " "	" "	" " "	"
1960	" " black walnut " " "	" "	" " "	"
1961	Xyleborus celsus in white pine	" "	" " "	"
1962	Small Carabidae in white oak	" "	" " "	"
1963	Apple leaf skeletonizer, lawæ & pupa	Brussels "	" 16 "	"
1964	Cecidomyia trifolii, lawæ, from white clover	Urbana "	" 29 "	"
1965	Clover leaf-tyer on white clover	" "	" " "	"
1966	" looper-owlet, lawa, on red clover	" "	" " "	"
1967	Gray lepid. lawa on white "	" "	" " "	"
1968	Dactylopius trifolii, roots of red "	" "	" " "	"
1969	Isia isabella, lawæ, on red clover	" "	" " "	"
1970	Languria mozardi, adult, on red clover	" "	" 31 "	"
1971	Yellow lawæ in earth at base of " "	" "	" " "	"
1972	Miscel. " " " " " " " "	" "	" " "	"
1973	Hymenopt. galls on oak stem	Walnut Prairie "	Dec 13 "	"
1974	Borers in apple bark	Enfield "	Nov. 6 "	"
1975	Cyllene pictus (?) in locust wood.	Urbana "	Apr. 15, 1904	"
1976	Lawæ from furrow in clover field	" "	" 23 "	"
1977	Lachnosterna lawæ from " "	" "	" " "	"
1978	Wood boring lawæ in osage orange hedge	Quincy "	January "	"
1979	Lachnosterna, adults	Sidney "	Apr 28 "	"
1980	lawæ (4)	" "	" " "	"
1981	Bud-worm, lawa	DuBois "	May 10 "	"
1982	Conotrachelus nenuphar, ♂ & ♀	Carbondale "	" 21 "	"
1983	" " on apple	" "	" " "	"
1984	Bud-worm lawæ on apple	"	" " "	"
1985	Green fruit-worm on "	" "	Jun 1 "	"
1986	Gray lawa eating young apple	" "	" " "	"
1987	Bud-worm on apple	" "	May 30 "	"
1988	Lachnosterna lawæ	" "	Jun 1 "	"

REMARKS.	Accession Numbers.
	34656, 34657, 34670, 34671, 34684, 34698.
	34613, 34673, 34769, 34770.
	34614, 34658, 34675, 34900.
	34615, 34771.
	34616.
	34617.
	34618.
	34672.
	34674.
	34621.
	34622.
	34623.
	34624.
a b, & c.	34625.
	34626, 34645.
	34633.
	34641, 34646, 34655.
	34642.
	34648.
	34650, 34654.
	34653.
	34766, 34781.
	34728, 34729, 34761, 34762.
	34763, 34764.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
1989	Larvae on apple	Carbondale, Ill	June 1 '04	Taylor
1990	Conotrachelus nenuphar from apple, for eggs	" "	May 30 "	"
1991	Lachnostena ♂ & ♀	Urbana "	" 27 "	"
1992	Palmer worm larva	Carbondale "	June 1 "	"
1993	Bud-worm larva	" "	Jul 16 "	"
1994	Conotrachelus nenuphar in plums	" "	June 10 "	"
1995	" " " apples	" "	" " "	"
1996	Lachnostena gibbosa, eggs			"
1997	" inversa "			"
1998	" hirticula "			"
1999	" implicita "			"
2000	Lepid. larvae on apple	Carbondale, Ill	Jul 30 '04	"
2001	Parasite on case-bearers	Centralia "	" 25 "	"
2002	Curculio larvae, &c. in apples	Carbondale "	" 16 "	"
2003	Lepid. larvae on elm and linden	Indianapolis "	Aug 8 "	"
2004	Cacoecia rosaceana ♂ & ♀, for eggs	Exp. 1993 & 2000	" 16 "	"
2005	Chlamys plicata on blackberry	Odin, Ill	Jul 6 "	"
2006	San Jose scale on apple fruit, for transmission on fruit	Carbondale "	" 29 "	"
2007	Loopers larva on box elder	Farmer City "	Aug 17 "	"
2008	Diabrotica longicornis on corn	" " "	" " "	"
2009	Cacoecia rosaceana on apple	Exp. 2002	" 4 "	"
2010	Parasite on white grub	Elliott, Ill	" 25 "	"
2011	Curculio infesting hawthorn	Urbana "	" " "	Kelly
2012	Diabrotica longicornis larvae on corn	Elliott "	" " "	Taylor
2013	Lachnosterna larva &c. " "	" "	" " "	"
2014	" " " "	" "	" " "	"
2015	Rhynchophora in crown of water grass	" "	" " "	"
2016	Lepid. larvae in stems of "M. Soft. Grass"	" "	" " "	"
2017	Diabrotica longicornis adults on corn, for eggs &c	" "	" 17 "	"
2018	" " " " " " " "	" "	" " "	"
2019	Tetraopes tetraophthalmus larvae on roots of weed	Conover "	Apr 14, 1905	"
2020	Larvae picked up in furrow	Wyoming "	" 12 "	"
2021	" " " " "	Bradford "	" 11 "	"
2022	Lachnostena larva	Wyoming "	" 12 "	"
2023	White larva picked up in furrow	Havana "	" 13-15 "	"
2024	Cyclocephala larva	" "	" " "	"
2025	Lachnostena adult	Castleton "	" 12 "	"
2026	Larvae (2) in rotten cherry stump	Wyoming "	" " "	Webster & Davis
2027	Large white larva in furrow	Havana "	" 13-15 "	" "

REMARKS.	Accession Numbers.
	34760
	34767
	34768
	34788
	34901
	34777
	34772
	34773, 34902, 34903.
	34774
	34797
	34782–34784
	34789.
	34790.
	34894, 34895.
	34896.
	34898.
	34899.
	34906.
	34904.
	36760
	34905, 36958.
	36585.
	36674.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2028	Eggs picked up in furrow	Champaign Ill	Apr 24 '05	Webster & Davis
2029	Tiphia sp, two brown cocoons	" "	" " "	" "
2030	Lachnosterna inversa ♂ & ♀ for eggs	" "	" " "	" "
2031	" fusca adults, at light, for eggs	" "	" " "	" "
2032	" " " " " , food-plant exp.	" "	" " "	" "
2033	Tiphia cocoons	Urbana "	" 28 "	" "
2034	Lachnosterna inversa adults, in furrow, for eggs	" "	" " "	" "
2035	Coleopt. pupae in furrow	" "	" " "	" "
2036	Eggs " "	" "	" " "	" "
2037	Parasitic larva on larva of Oberea ulmicola	Decatur "	May 5 "	" "
2038	" Hymenopteron on larva of " "	" "	" " "	" "
2039	" larva on larva " " "	" "	" 3 "	" "
2040	Rhynchophora in elm	" "	" " "	" "
2041	Oberea ulmicola pupae	" "	" " "	" "
2042	" " "	" "	" 5 "	" "
2043	" " " from peach	" "	" 6 "	" "
2044	Parasites on Oberea ulmicola	" "	" " "	" "
2045	Oberea ulmicola pupae from sweet cherry	" "	" " "	" "
2046	" " larvae " " "	" "	" " "	" "
2047	" " on elm	" "	" 4 "	" "
2048	Cerambycid pupa on cherry	" "	" 3 "	" "
2049	Lepid. pupa in Oberea burrow	" "	" " "	" "
2050	" larvae on gooseberry & currant	" "	" 5 "	" "
2051	Oberea ulmicola in elm	" "	" 6 "	" "
2052	Lachnosterna at light	" "	" 2 "	" "
2053	Green fruit-worm feeding on apple fruit	Olney "	" 12 "	" "
2054	Larva attacking apple fruit	" "	" " "	" "
2055	Green fruit-worm on "	" "	" " "	" "
2056	Bud-worms on apple leaves	" "	" " "	" "
2057	" " " " "	" "	" " "	" "
2058	Green fruit-worm on apple	" "	" " "	" "
2059	Larvae feeding on apple leaves	" "	" " "	" "
2060	" " " " "	" "	" " "	" "
2061	Green fruit-worm " " "	" "	" " "	" "
2062	Bud-worm on " "	" "	" " "	" "
2063	Green fruit-worms feeding on apple fruit	" "	" " "	" "
2064	Bud-worm on apple fruit	" "	" " "	" "
2065		" "	" " "	" "
2066	Green fruit-worm " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
	34916.
	36582.
	36583
	36587
	34914, 34948.
' tes.	34937, 37231.
	36515
me species as in 2037	34937, 36640.
	34923, 34925, 34950, 34982, 34993, 36638.
	34924.
	34926
	34992.
	34932.
	34996.
	36605.
	34934, 34949. 34983, 36513, 36574, 36581.
	36546.
	34946, 34995, 36550.
	34947, 36560 36595, 36959.
	36516.
	36952.
	36561
	36514

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2067	Larvae feeding on apple fruit	Olney Ill	May 12 '05	Webster & Dar
2068	Bud-worm " " " leaves	" "	" " "	" "
2069	Green fruit-worm " " "	" "	" " "	" "
2070	" " " " " "	" "	" " "	" "
2071	Geometrid larva " " "	" "	" " "	" "
2072	Larva on apple leaves	" "	" " "	"
2073	" " " "	" "	" " "	" "
2074	Bud-worm on " "	" "	" " "	" "
2075	" " " "	" "	" " "	" "
2076	" feeding on apple fruit	" "	" 13 "	" "
2077	" " " " " leaves	Flora "	" 14 "	" "
2078	" " " " " " & fruit	" "	" " "	" "
2079	" " " " "	" "	" " "	" "
2080	Apple leaf-folder " "	Olney "	" " "	" "
2081	Bud-worms feeding " " fruit & leaves	" "	" " "	" "
2082	Green fruit-worms feeding on " "	" "	" " "	" "
2083	Bud-worms feeding on " " & leaves	" "	" " "	" "
2084	" " " " " " "	Flora "	" " "	" "
2085	Green fruit-worms " "	Olney "	" 13 "	" "
2086				" "
2087	Bud worms feeding on apple leaves and fruit	Flora "	May 14 '05	" "
2088	Canker-worms " " " " " "	" "	" " "	" "
2089	Bud-worms on apple leaves	" "	" " "	" "
2090	Bud-worms feeding on apple leaves & fruit	" "	" 15 "	" "
2091	" " " " "	" "	" " "	" "
2092	Misc. larvae eating " " & fruit	Olney "	" 11 "	" "
2093	Larvae on apple	Flora "	" 14 "	" "
2094	Bud-worms " " leaves	" "	" 15 "	" "
2095	Larvae attaching apple leaves & fruit	Olney "	" 12 "	" "
2096	Larva on apple leaf	" "	" " "	" "
2097	Tussock moth larvae on apple leaves & fruit	Flora "	" 15 "	" "
2098	Larvae on apple fruit	" "	" " "	" "
2099	Bud-worms on apple leaves & fruit	" "	" " "	" "
2100	Syrphid larvae under bark of rotten stump in woods	Urbana, Ill.	Mar 1, 1904	Hart, Knab, Brue
2101	Larvae on apple	Olney "	May 12, 1905	Webster & Dar
2102	Green fruit-worm attacking apple fruit	Flora "	" 15 "	" "
2103	" " " " " "	Olney "	" 12 "	" "
2104	Misc. larvae " " leaves	Flora "	" 15 "	" "
2105	Geometrid on apple leaf	Olney "	" 12 "	" "

REMARKS.	Accession Numbers.
	36562, 36601,
	36594.
	36612.
	36521.
	34951.
	36522.
	36563.
	36523.
	36621, 36709.
	36524
	34961, 36525.
	36564
	36533
	36565
	34964, 36505, 36507, 36566
	36567.
	36623.
	35637, 35638, 35640, 36508
	36502, 36506, 36568, 36591, 36618.
	Archips argyrospila
	34997

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
2106	Larvae on apple	Flora, Ill	May 15 '05	Webster + Dan
2107	" " "	Olney "	" 12 "	" "
2108	Bud worm " "	" "	" " "	" "
2109	Larvae feeding on apple	" "	" " "	" "
2110	Bud-worm " "	" "	" " "	" "
2111	Pupae in folds of apple leaf	" "	" " "	" "
2112	Green fruit-worm attacking apple fruit + leaves	" "	" 13 "	" "
2113	Bud worms " " " "	Flora "	" 15 "	" "
2114	Green fruit-worm feeding on " leaves	" "	" " "	" "
2115	" fruit-worms " " " "	" "	" " "	" "
2116	Budworms attacking apple fruit	" "	" " "	" "
2117	" on "	" "	" " "	" "
2118	" in folds of " leaves	" "	" 11 "	" "
2119	" attacking " fruit	Olney "	" 13 "	" "
2120	" on "	" "	" " "	" "
2121	" attacking " leaves + fruit		" " "	" "
2122	" in rolled " "	Flora "	" 15 "	" "
2123	" on "	" "	" " "	" "
2124	Larva feeding on " leaves	" "	" " "	" "
2125	Budworms " "	" "	" " "	" "
2126	" "		"	" "
2127	Budworms on apple	Flora, Ill	" 15 "	" "
2128	" in curled " leaf.	" "	" " "	" "
2129	Canker-worms feeding on " leaves + fruit	" "	" " "	" "
2130	Budworms on "	" "	" " "	" "
2131	Green fruit-worms on " leaves		" " "	" "
2132	Misc larvae " "	Olney "	" 13 "	" "
2133	Larva in folded " leaf	" "	" " "	" "
2134	Eggs on apple twig	Flora "	" 15 "	" "
2135	Pupa " "	" "	" " "	" "
2136	Budworms on apple	Olney "	" 12 "	" "
2137	" " "	" "	" " "	" "
2138	" feeding on " fruit + leaves	" "	" " "	" "
2139	" on "	" "	" " "	" "
2140	" feeding on " fruit + leaves	" "	" " "	" "
2141	Pupa in apple leaves	" "	" " "	" "
2142	Larva with pupa of parasite attached, from apple	" "	" " "	" "
2143	Larvae on apple	" "	" " "	" "
2144	Pupa in " leaves	" "	" " "	" "

REMARKS.	Accession Numbers.
	36504.
	34963.
	34985, 34986
	36599,
	36602.
	36600.
	36509
	36551.
	36569.
	36552.
	36603, 36604.
	34553.
	34998.
	36586.
	34987.
	36512.
	36511.
	36503.
	34999.
	34966.
	34967.
	36570.
	34988.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENOR.
2145	Larva with cocoon of parasite attached, from apple	Olney, Ill	May 12 '05	Webster & Davis
2146	Larva of lace-wing in folded apple leaf containing dead budworm	" "	" " "	"
2147	Pupa in folds of apple leaves	" "	" " "	"
2148	Budworm with several dipterous pupae attached, from apple	" "	" " "	"
2149	Insects from apple	Olney Flora or Odin Ill	" 11–15 "	"
2150	" " "	" " "	" " "	"
2151			" " "	"
2152	Curculio larvae boring in elm	Urbana, Ill	May 20 '05	Webster & Davis
2153	Larvae on apple	Chicago "	" 23 "	"
2154	" " "	" "	" " "	"
2155	Curculio leaf miners, for eggs, &c.	—— "	" 25 "	"
2156	Oberea ulmicola	Decatur "	" 22 "	"
2157	" schaumii, boren in poplar	" "	" " "	"
2158	" " " " "	" "	" " "	"
2159	" " " " "	" "	" " "	"
2160	" " " " "	" "	" " "	"
2161	Larva on apple	Urbana "	" 29 "	"
2162	Curculio leaf-miner adults, for eggs &c.	Flora "	" 30 "	"
2163	Oberea schaumii adults on poplar, for eggs &c.	Decatur "	" " "	"
2164	Larvae boring in cornstalk	Ashley "	" 28 "	"
2165	" " " "	" "	" " "	"
2166	Larva on corn	" "	" " "	"
2167	Looper on plum tree	" "	" 26 "	"
2168	Larva on apple leaves	Richview "	" " "	"
2169	Green fruit-worm on apple	" "	" " "	"
2170	Apple twig case bearer	" "	" " "	"
2171	Larva & pupa on apple	" "	" " "	"
2172	" on fruit of "	" "	" " "	"
2173	Pupa " apple leaf	Mowequa "	" 25 "	"
2174	Larva from apple fruit	Flora "	June 2 "	"
2175	San Jose scale with Chiloconus bivulnerus, on apple.	Richview "	" " "	"
2176	Oberea ulmicola, poison experiment	Decatur "	" 3 "	Taylor
2177	" " " "	" "	" " "	"
2178	Parasites on Oberea schaumii	" "	May 22 "	Webster & Davis
2179	Parasite " " ulmicola	" "	" " "	"
2180	Parasitic larvae on Oberea sp.	" "	" " "	"
2181	" " " " ulmicola	" "	" " "	"
2182	Oberea ulmicola (?) larva & pupa	" "	" " "	"
2183	Archips argyrospila adults, for eggs, broods, &c	S. Ill.	June 3 "	"

REMARKS.	Accession Numbers.
	34968, 34969.
	34975.
	34977, 34989, 36619, 36721.
	34990, 35000, 36611.
	34956, 34980, 34981, 34991, 36510, 36517, 36554, 36555, 36622.
	34994, 36556
	34984.
	36500, 36527, 36528, 36596, 36950, 37224.
	36501, 36992.
	36667.
	36571.
	36576.
	36535, 36543.
	36607
	36606.
	36668
	36549.
	36529
	36627,
	36609.
	36659, 36572.
	36573.
	36579, 36617.
	36614.
	36834.
	36580

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
2184	Archips rosaceana adults, for eggs, broods, etc.	S. Ill	June 5, '05	Davis & Webster
2185	Otiorhynchus ovatus pupae	Alpha, Ill.	May 29 "	" "
2186	" " " in Comstock cage with strawberry plants	" "	" " "	" "
2187	" " "	" "	" " "	" "
2188	" " adults, to see if they eat strawberry leaves.	" "	" " "	" "
2189	" " " for eggs, etc.	" "	" " "	" "
2190	Archips argyrospila adults for eggs etc.	S. Ill.	June 8 "	" "
2191	Vanessa cardui larva on hollyhock	Urbana, Ill.	" 12 "	" "
2192	Otiorhynchus ovatus	Alpha "	" 13 "	" "
2193	Oberea ulmicola egg & larva	Decatur "	" " "	"
2194	" " egg	" "	" " "	"
2195	Larva on apple	Centralia "	" 8 "	Webster
2196	Pupa " " leaf	" "	" 9 "	"
2197	Larva " " "	" "	" " "	"
2198	Larvae & pupae on apple	"	" " "	"
2199	Lachnosterna eggs	Exp. 2052	" 13 "	"
2200	Larvae on apple	Wheaton, Ill	" " "	"
2201	Cocoon " spider's nest	Urbana "	Mar. 26 "	"
2202	Cacoecia cerasivorana adults, for eggs	Wheaton "	June 20 "	
2203	" " larvae, for pupal stage	" "	" " "	
2204	Aphis maidiradicis on corn	Bradford "	Apr 7 "	Webster
2205	" " " "	" "	" 8 "	"
2206	" " " "	" "	" 17 "	"
2207	" " " "	" "	" " "	"
2208	" " "	" "	" " "	"
2209	" " " "	" "	" " "	"
2210	" " " "	" "	" " "	"
2211	" " " "	" "	" " "	"
2212	" " " "	" "	" 19 "	"
2213	" " " "	Urbana "	" " "	"
2214	" " " "	" "	" 20 "	"
2215	" " " "	" "	" 26 "	"
2216	" " placed on oats	" "	" 29 "	"
2217	" " on corn	Exp. 2213	May 7 "	"
2218	" "	Urbana, Ill	" 9 "	"
2219	" "	" "	" 10 "	"
2220	" " on unattacked	Bradford "	" " "	"
2221	? yellow aphid " "	" "	" " "	"
2222	Aphis maidiradicis " corn	Urbana "	" 13 "	"

REMARKS.	Accession Numbers.
~~2 months were not satisfied & they were from~~	36608, 36610, 36616, 36628, 36843, 36852, 3 .853, 36881.
	36575.
	36671, 36762.
	36597
	36613, 36635.
	36593, 36615, 36620.
	36598.
	36634.
	36128
	36127
	36129, 36132.
	36131.
	36130
	36135

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2223	Aphis maidiradicis on corn	Exp. 2222	May 16 '05	Webster
2224	" " " "	" "	" 17 "	"
2225	" " " "	Urbana, Ill	Jun. 2 "	"
2226	" " " "	" "	" 6 "	"
2227	" " " " with ants	Bradford "	Jun. 19 "	Davis
2228	" " " " "	" "	" "	"
2229	" " "	" "	" 20 "	"
2230	" " " "	" "	" " "	"
2231	" " " "	" "	" 19 "	"
2232	" " " " "	" "	" "	"
2233	Vanessa antiopa larvae on poplar	Urbana "	" 21 "	Webster & Davis
2234	Webworms on elm	" "	" "	"
2235	Lepidopterous larvae on elm	" "	" " "	"
2236	" eggs " "	" "	" " "	"
2237	Webworms on ash	" "	" " "	"
2238	Archips cerasivorana, adult, for eggs	Wheaton "	" " "	"
2239	" rosaceana, young larvae	Exp. 2184	" 22 "	"
2240	Lachnosterna fusca, eggs	" 2031	" " "	"
2241	Webworms on apple	Champaign, Ill	" 23 "	"
2242	Aphis maidiradicis on corn	Bradford "	" " "	Davis
2243	" " " "	" "	" " "	"
2244	" " " "	" "	" " "	"
2245	" " " "	" "	" " "	"
2246	" " "	" "	" " "	"
2247	" " " "	" "	" "	"
2248	" " " "	" "	" " "	"
2249	" " " "	" "	" " "	"
2250	" " "	" "	" " "	"
2251	" " " "	" "	" " "	"
2252	" " " "	" "	" " "	"
2253	" " " "	" "	" " "	"
2254	" " " "	" "	" " "	"
2255	" " " "	" "	" " "	"
2256	" " " "	" "	" " "	"
2257	" " " "	" "	" " "	"
2258	" " " "	" "	" " "	"
2259	" " " "	" "	" " "	"
2260	" " " "	" "	" " "	"
2261	" " " "	" "	" " "	"

REMARKS.	Accession Numbers.
	36134.
	36626.
	36624.
	36669
	36625, 36710, 36711 36718 36750, 36828, 37204.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2262	Aphis maidiradicis on corn	Bradford Ill	Jun. 23 '05	Davis
2263	" " " "	" "	" " "	"
2264	" " " "	Exp. 2260	" 24 "	"
2265	" " " "	" 2249	" 26 "	"
2266	Otiorhynchus ovatus	Alpha Ill	" 21 "	Davis & Webster
2267	" "	" "	" " "	"
2268	Sphinx larvae	Urbana "	" 26 "	" "
2269	Aphis maidiradicis on corn	Exp. 2257	" " "	Davis
2270	Apple leaf skeletonizer	Normal, Ill	" 20 "	Taylor
2271	Larger pupa of leaf-roller on apple	" "	" " "	"
2272	Larvae on raspberry leaves	Decatur "	" 25 "	Davis & Webster
2273	Lepid. larvae on Wisteria	Urbana "	" 27 "	"
2274	Lachnosterna fusca, larva	" "	" " "	" "
2275	Larvae eating raspberry leaves	Decatur "	" 23 "	" "
2276	Leaf-rollers in apple leaves	Normal "	" 20 "	" "
2277	Leaf-miner in Verbena	Decatur "	" 25 "	" "
2278	Archips rosaceana, young larvae	Exp. ——	" 28 "	" "
2279	Apple leaf skeletonizer	Normal, Ill	" 20 "	" "
2280	Aphis maidiradicis on corn	Exp. 2250	" 28 "	" —
2281	Strawberry leaf roller	Normal, Ill	" 19 "	" & Webster
2282	Oberea ulmicola	Exp. ——	" 28 "	" "
2283	Cyclocephala immaculata for eggs	Urbana, Ill.	" " "	" "
2284	Aphis maidiradicis on corn	Exp. 2247	" " "	" —
2285	Larvae on timothy	Kewanee, Ill.	" 29 "	" & Webster
2286	Aphis maidiradicis on corn	Exp. 2259	" " "	" —
2287	Archips rosaceana, young larvae	" 2184	" " "	" & Webster
2288	Aphis maidiradicis on corn	" 2245	" 30 "	" —
2289	Apple leaf-skeletonizer	Urbana, Ill	" " "	" & Webster
2290	Otiorhynchus ovatus, eggs	Exp. - - -	" " "	" "
2291	Aphis maidiradicis on corn	" 2244	Jul. 1 "	" —
2292	" " " "	" 2246	" " "	"
2293	Otiorhynchus ovatus, eggs	" 2267	" " "	" & Webster
2294	Aphis maidiradicis on corn	" 2252	" " "	" —
2295	" " " "	" 2265	" " "	"
2296	Leaf-roller on apple	Urbana, Ill	" " "	" & Webster
2297	Larva on apple	" "	" " "	" "
2298	Leaf-miner pupae	" "	" " "	" "
2299	" on apple	" "	" " "	" "
2300	Brown pupa in apple leaf	" "	" " "	" "

REMARKS.	Accession Numbers.
	36670
	36672, 36803
...ery #3 Special Dist	36666, 36687.
" " " Specimen #12.	36665, 36698, 36713
	36682, 36686, 36691, 36700, 36746, 36798.
	36714.
...ery #3.	36683, 36685.
	36684, 36695, 36712, 36748
	36678, 36690, 36696.
	36651, 36673, 36677-36681, 36689, 36719.
	36878
	36664, 36757, 36822.
	36861.
	36751
	36697.
	36699.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMETOR
2301	Brown larva on apple	Urbana, Ill	Jul. 1 '05	Davis & Webster
2302	Aphis maidiradicis on corn	Exp. 2254	" 2 "	"
2303	" " " "	" 2256	" " "	"
2304	Cicada eggs in blackberry canes	Hudson, Ill	Jun. 22 "	" & Webster
2305	Oberea schaumii eggs in poplar branches	Decatur "	Jul. 3 "	" "
2306	Aphis maidiradicis on corn	Exp. 2248	" "	"
2307	" " " "	" 2249	" "	"
2308	" " " "	" 2269	" " "	"
2309	" " " "	" "	" " "	"
2310	Archips cerasivorana, pupae	"	" " "	" & Webster
2311	Aphis maidiradicis on corn	" 2264	" 4 "	"
2312	" " " "	" 2309	" " "	"
2313	" " " "	" 2258	" 6 "	"
2314	" " " "	" 2280	" " "	"
2315	" " " "	" 2284	" " "	"
2316	Archips rosaceana	" 2184	" " "	" & Webster
2317	Eggs (?) found on strawberry plant	" 2186	" 5 "	" "
2318	Leaf-miner on apple	Urbana, Ill	" 6 "	" "
2319	Lepid larvae "	" "	" " "	" "
2320	Nymphalid larvae on dock	" "	" " "	" "
2321	Prosa tristis, adults & eggs	" "	" 7 "	" "
2322	Exartema permundanum, adults, on raspberry	Decatur, Ill	" 8 "	" "
2323	Aphis maidiradicis on corn	Exp. 2292	" " "	" →
2324	Chaitophorus flavus on sorghum and corn	Nevga, Ill.	" " "	"
2325	" " " " " "	" "	" " "	"
2326	" " " " " "	" "	" " "	"
2327	Siphoconyne avenae on corn	" "	" " "	"
2328	Toxoptera graminum " "	" "	" " "	"
2329	Aphids on corn	" "	" " "	"
2330	Aphis maidiradicis on corn	Exp. 2323	" 9 "	"
2331	Archips sp., larvae on apple	Olney, Ill.	" 7 "	" & Webster
2332	" " " " "	" "	" " "	" "
2333	" " " " "	" "	" " "	" "
2334	" " " " "	" "	" " "	" "
2335	Aphis maidiradicis on corn	Exp. 2294	" 10 "	" →
2336	" " " "	" 2242	" 11 "	"
2337	" " " "	" 2247	" 4 "	"
2338	" " " "	" 2295	" " "	"
2339	" " " "	" 2312	" " "	"

REMARKS.	Accession Numbers.
	36779
	36688
	36778, 36789.
	36769, 36830.
Freggs.	37221.
	36972.
	36969.
	36720, 36758
	36749.
	36858

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2340	Aphis maidiradicis on corn	Exp. 2303	Jul. 11 '05	Davis
2341	Archips sp, larvae, on apple	Olney, Ill	" 7 "	" & Wester
2342	Larva on apple leaves	" "	" " "	" "
2343	Apple leaf skeletonizer on apple	" "	" " "	" "
2344	" " crumpler larva on apple	" "	" " "	" "
2345	Orthoptera on apple leaf with leaf-skeletonizer	" "	" " "	" "
2346	Larva on apple leaves	" "	" " "	" "
2347	" eating into tip of apple twig	" "	" " "	" "
2348	Aphis maidiradicis on corn	Exp. 2291	" 12 "	" "
2349	" " " "	" 2307	" " "	" "
2350	" " " "	" 2339	" " "	" "
2351	Chaitophorus flavus on sorghum	" 2326	" " "	" "
2352	Leaf-skeletonizers on apple leaf	Olney, Ill	" 7 "	" & Wester
2353	" & Archips sp. on apple leaf	" "	" " "	" "
2354	" on apple leaf	" "	" " "	" "
2355	" " " "	" "	" " "	" "
2356	Larva on apple leaves	" "	" " "	" "
2357	Lepidopt. larva on apple leaves	" "	" " "	" "
2358	Small larvae " " "	" "	" " "	" "
2359	Apple case-bearer " " "	" "	" " "	" "
2360	Leaf-skeletonizer " " "	" "	" " "	" "
2361	Larvae on apple leaves	" "	" " "	" "
2362	Larva in case " " "	" "	" " "	" "
2363	Geometrid larva on apple leaves	" "	" " "	" "
2364	Mud cells on apple leaves	" "	" 8 "	" "
2365	Larva on apple twig	" "	" 7 "	" "
2366	Pupa in fold of apple leaf	" "	" " "	" "
2367	Archips sp., larvae, on apple leaves	" "	" " "	" "
2368	" " " " " "	" "	" " "	" "
2369	Cluster of eggs on apple leaf	" "	" " "	" "
2370	Misc. larvae in soil beneath apple tree	" "	" 8 "	" "
2371	Xylina sp., pupa, under apple tree	" "	" " "	" "
2372	" " " " " "	" "	" " "	" "
2373	" " " " " "	" "	" " "	" "
2374	" " " " " "	" "	" " "	" "
2375	" " " " " "	" "	" " "	" "
2376	" " " " " "	" "	" " "	" "
2377	" " " " " "	" "	" " "	" "
2378	" " " " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
	36706, 36759, 36784 36838.
	36831.
	36783.
	36862.
	37216, 37217.
	36761.
	36837, 36841.
	[illegible]904
	36839.
	36976.
	36810.
	36708, 36785.
	36811.
	36893, 36932.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
2379	Xylina sp., pupa under apple tree	Olney, Ill	Jul 8'05	Davis & Webster
2380	" " " " " "	" "	" " "	" "
2381	" " " " "	" "	" " "	" "
2382	" " 4 pupæ " "	" "	" " "	" "
2383	Pupa resembling Xylina sp.	" "	" " "	" "
2384	Parasitized pupa of " "	" "	" " "	" "
2385	Pupa found in earth under apple tree	" "	" " "	" "
2386	" " " " " "	" "	" " "	" "
2387	" " " " " "	" "	" " "	" "
2388	Pupæ (3) " " " " " "	" "	" " "	" "
2389	Pupa " " " " " "	" "	" " "	" "
2390	Anasa tristis, nymphs	Urbana	" 13 "	" "
2391	Budworms on apple	Exp. 2279	" 14 "	" "
2392	Aphis maidiradicis on corn	" 2306	" 13 "	" —
2393	" " " "	" 2307	" " "	"
2394	" " " "	" 2312	" " "	"
2395	" " " "	" 2311	" " "	"
2396	" maidis from broom corn	Aetna, Ill	" " "	"
2397	" " " " "	" "	" " "	"
2398	" " " " "	" "	" " "	"
2399	" " " " "	" "	" " "	"
2400	" " " " "	" "	" " "	"
2401	" " " sorghum	" "	" " "	"
2402	" " " "	" "	" " "	"
2403	" " " "	" "	" " "	"
2404	" " " "	" "	" " "	"
2405	" " "	" "	" " "	"
2406	" " " broom corn	" "	" " "	"
2407	" " on corn	Urbana, "	" 16 "	"
2408	" maidiradicis on corn	Exp. 2269	" 14 "	"
2409	" " " "	" 2349	" " "	"
2410	Chaitophorus flavus " sorghum	" 2326	" " "	"
2411	Vanessa antiopa, larvæ	Chicago, Ill	" 15 "	" + Webster
2412	Lachnostema crenulata ♀, for eggs	Urbana "	" " "	" "
2413	Aphis maidiradicis on corn	Exp. 2258	" 16 "	"
2414	" " " "	" 2267	" " "	"
2415	" " " "	" 2291	" " "	"
2416	" " " "	" 2313	" " "	"
2417	" " " "	" 2313	" 17 "	"

REMARKS.	Accession Numbers.
	36898,36912.
	36752,36756.
This is L. ilicis (Hood det.)	36809,36817.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2419	Aphis maidiradicis on corn	Exp. 2269	Jul. 17 '05	Davis
2420	Archips rosaceana larvae	" 2184	" " "	" + Webster
2421	Aphis maidiradicis on corn	" 2291	" " "	" —
2422	" maidis on sorghum	" 2403	" " "	"
2423	Chaitophorus flavus	" 2325	" 18 "	"
2424	Lachnostenra crenulata, eggs	" 2412	" " "	" + Webster
2425	Aphis maidis on sorghum	" 2403	" " "	"
2426	" " " "	" "	" " "	"
2427	Pupae on apple	Olney, Ill	" 7 "	" + Webster
2428	Larva feeding on apple	Urbana "	" 19 "	" "
2429	Aphis maidiradicis on corn	Exp. 2329	" " "	" —
2430	Archips rosaceana larva	" 2184	" " "	" + Webster
2431	" " "	" "	" " "	" "
2432	" " "	" "	" " "	" "
2433	" " "	" "	" " "	" "
2434	Chaitophorus flavus on sorghum	" 2351	" 20 "	" —
2435	" " " "	" 2422	" " "	"
2436	Aphis maidiradicis on corn	" 2349	" " "	"
2437	" maidis on sorghum	" 2403	" " "	"
2438	Pulvinaria innumerabilis	Urbana, Ill	" " "	" + Webster
2439	Hymenopterous pupa in burrow of Oberea ulmicola	Decatur "	" 22 "	" "
2440	" " " " " " "	" "	" " "	" "
2441	" larva " " " " "	" "	" " "	" "
2442	" pupa " " " " "	" "	" " "	" "
2443	" " " " " " "	" "	" " "	" "
2444	" " " " " " "	" "	" " "	" "
2445	" " " " " " "	" "	" " "	" "
2446	" " " " " " "	" "	" " "	" "
2447	" " " " " " "	" "	" " "	" "
2448	" " " " " " "	" "	" 21 "	" "
2449	" larva " " " " "	"	22 "	" "
2450	Elm girdler, dead larva, probably parasitized		" " "	" "
2451	Cecidomyiid larva, causing galls on elm	" "	" " "	" "
2452	Green larva on clover	Urbana "	" 23 "	" "
2453	Anasa tristis nymph	" "	" 24 "	" "
2454	Thyreus abbotti, larva	"	" 25 "	" "
2455	" ylina larva in earth	Carbondale, Ill.	" " "	" "
2456	Pupa in earth	" "	" 26 "	" "

REMARKS.	Accession Numbers.
	36747, 36786.
	36788
	36833
	36856
	36818.
	36863.
	36869.
	36868.
	36790.
	36875.
	36876.
	36832.
	36802.
	36953.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2457	White larvae & pupae on grass roots	Carbondale, Ill	Jul. 26 '05	Webster
2458	" " "	"	" 27 "	"
2459	Xylina ? larva in earth	"	" " "	"
2460	Egg mass, probably Archips.	"	" 24 "	"
2461	Pupa from earth	"	" 26 "	"
2462	Otiorhynchus ovatus, poison exp. with arsenate of lead	Exp. ——	" 28 "	" ——
2463	Archips rosaceana adults, for eggs	Exp. 2333 & 2368	" " "	" & Ivi
2464	Eggs, probably Lachnosterna.	Carbondale, Ill	" 26 "	"
2465	Xylina sp., pupa in earth	"	" 25 "	"
2466	Pupa in earth	"	" " "	"
2467	Archips rosaceana, adults; second brood.	Exp. 2184	" 29 "	"
2468	Xylina sp., pupa	Carbondale, Ill	" 25 "	"
2469	" " larva in cell	"	" " "	"
2470	" " pupa	"	" " "	"
2471	" " "	"	" " "	"
2472	" " "	"	" " "	"
2473	" " "	"	" " "	"
2474	" " "	"	" " "	"
2475	" " "	"	" " "	"
2476	Pupa in earth	"	" " "	"
2477	Xylina sp., pupa	"	" " "	"
2478	" " larva	"	" " "	"
2479	Small pupa in leaves	"	" " "	"
2480	" " " "	"	" " "	"
2481	Xylina sp., larva	"	" " "	"
2482	Feltia subgothica, larva in soil	"	" 24 "	"
2483	Lachnosterna, eggs	"	" 25 "	"
2484	" "	"	" " "	"
2485	" larva, parasitized	"	" " "	"
2486	Cocoon taken beneath soil	"	" " "	"
2487	Cocoons on apple twigs	"	" " "	"
2488	Larva in " fruit	Murfreesboro "	" 27 "	"
2489	Strawberry root aphis	Nebo "	" 29 "	"
2490	Datana larva on walnut	Urbana "	Aug 1 "	"
2491	Galls on hackberry	Freeport "	July "	"
2492	Leaf-roller on strawberry	Urbana "	Aug 1 "	"
2493	Phoxopteris comptana on strawberry	" "	" " "	"
2494	" " " "	" "	" " "	"
2495	" " " "	" "	" " "	"

REMARKS.	Accession Numbers.
	36900, 36975.
	36979
	36956
	36982.
	36983.
	36980
	36957
	36973
	37215
	36804
	36977, 37218, 37230
	36855, 36857, 36860, 36871, 36872.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2496	Phoxopteris comptana on strawberry	Urbana, Ill	Aug. 1 '05	Webster & Davis
2497	" " " "	" "	" " "	"
2498	" " " "	" "	" " "	"
2499	" " larva + cocoon of parasite	" "	" 2 "	"
2500	" " 4 pupae on strawberry	" "	" " "	"
2501	Aphis maidis on corn	" "	Jul. 20 "	Davis
2502	" maidiradicis on corn	Exp. 2409	" 22 "	"
2503	" " " "	" "	" " "	"
2504	" " " "	" "	" " "	"
2505	" maidis, starvation expt.	" ——	" " "	"
2506	" maidiradicis on corn	" 2348	" 23 "	"
2507	" " " "	" 2414	" " "	"
2508	" " " "	" 2303	" " "	"
2509	Chaitophorus flavus, sorghum	" 2410	" " "	"
2510	Aphis maidis	" 2424	" " "	"
2511	" "	" 2425	" " "	"
2512	" "	" 2421	" 24 "	"
2513	Forda occidentalis from grass roots, placed on corn	Urbana, Ill.	" " "	"
2514	" " " " " " " "	" "	" " "	"
2515	Aphis maidiradicis, corn	Exp. 2417	" 25 "	"
2516	" " "	" 2418	" " "	"
2517	" " "	" 2420	" " "	"
2518	" " " starvation expt.	" ——	" " "	"
2519	" " "	" 2408	" 26 "	"
2520	" " "	" 2428	" " "	"
2521	" maidis	" 2437	" 27 "	"
2522	" "	" 2404	" " "	"
2523	" "	" "	" " "	"
2524	" maidiradicis, corn	" 2415	" 28 "	"
2525	" " "	" 2409	" 29 "	"
2526	" " "	" 2502	" 31 "	"
2527	Chaitophorus flavus, sorghum	" 2434	" " "	"
2528	" " "	" 2435	" " "	"
2529	Aphis maidis	" 2511	" " "	"
2530	" "	" 2512	" " "	"
2531	" maidiradicis, corn	" 2506	Aug. 1 "	"
2532	" " "	" 2507	" " "	"
2533	" " "	" 2508	" " "	"
2534	" " "	" 2504	" " "	"

REMARKS.	Accession Numbers.
	36835.
	36823, 36829.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENOR.
2535	Aphis maidis	Exp. 2510	Aug. 1, 05	Davis
2536	" maidiradicis, corn	" 2516	" 2 "	"
2537	"	" 2515	" " "	"
2538	" " "	" 2317	" " "	"
2539	" " "	" 2319	" " "	"
2540	" " "	" 2303	" " "	"
2541	" " "	" 2320	" 3 "	"
2542	Chaitophorus flavus	" 2309	" " "	"
2543	Aphis maidis	" 2321	" 4 "	"
2544	" maidiradicis, corn	" 2324	" 5 "	"
2545	" maidis	" 2323	" " "	"
2546	" maidiradicis, corn	" 2325	" 6 "	"
2547	" maidis	" 2329	" " "	"
2548	" maidiradicis, corn	" 2348	" 7 "	"
2549	" "	" 2428	" " "	"
2550	" maidis	" 2330	" " "	"
2551	" maidiradicis, corn	" 2418	" 8 "	"
2552	" " "	" 2526	" " "	"
2553	" " "	" 2549	" " "	"
2554	" " "	" 2532	" " "	"
2555	" " "	" 2533	" " "	"
2556	" " "	" 2548	" " "	"
2557	Chaitophorus flavus, sorghum	" 2527	" " "	"
2558	Aphis maidis from sorghum, placed on other plts	" —	" " "	"
2559	" maidiradicis, corn	" 2537	" 9 "	"
2560	" " "	" 2541	" 10 "	"
2561	" maidis from sorghum	" 2543	" " "	"
2562	" " " " placed on apple	" —	" " "	"
2563	" maidiradicis, corn	" 2536	" 11 "	"
2564	" " "	" 2539	" " "	"
2565	" maidis from sorghum, placed on purslane	" —	" " "	"
2566	" maidiradicis, corn	" 2417	" 12 "	"
2567	" " "	" 2544	" " "	"
2568	" " "	" 2546	" " "	"
569	" " "	" 2551	" " "	"
2570	Chaitophorus flavus, sorghum	" 2542	" " "	"
2571	Aphis maidis "	" 2545	" " "	"
2572	" maidiradicis, corn	" 2507	" 13 "	"
2573	" " "	" 2414	" " "	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2574	Aphis maidiradicis, corn	Exp. 2531	Aug. 13 '05	Davis
2575	" " "	" 2532	" 14 "	"
2576	" " "	" 2553	" " "	"
2577	" maidis sorghum	" 2547	" " "	"
2578	" " "	" 2550	" " "	"
2579	" maidiradicis, corn	" 2554	" 15 "	"
2580	" " "	" 2555	" " "	"
2581	" " "	" 2519	" " "	"
2582	" maidis, sorghum	" 2561	" 17 "	"
2583	Chaitophorus flavus "	" 2528	" 18 "	"
2584	Aphis maidiradicis, corn	" 2563	" " "	"
2585	" " "	" 2566	" " "	"
2586	Chaitophorus flavus, sorghum	" 2557	" 19 "	"
2587	Aphis maidiradicis, corn	" 2551	" " "	"
2588	" " "	" 2568	" " "	"
2589	" " "	" 2564	" 20 "	"
2590	" " "	" 2569	" " "	"
2591	" " "	" 2572	" " "	"
2592	" " "	" 2573	" " "	"
2593	Chaitophorus flavus, sorghum	" 2570	" " "	"
2594	Aphis maidis, sorghum	" 2578	" " "	"
2595	" maidiradicis, corn	" 2574	" 21 "	"
2596	" " "	" 2576	" 22 "	"
2597	" " "	" 2553	" " "	"
2598	" " "	" 2579	" 23 "	"
2599	" " "	" 2580	" " "	"
2600	" " "	" 2581	" " "	"
2601	Leaf roller adults, from strawberry, for eggs	Urbana, Ill	" 2 "	" & Webster
2602	Lachnostema larva	Carbondale "	Jul. 24 "	" "
2603	" adults, for eggs	" "	" 26 "	" "
2604	" larvae	" "	" 24-26 "	" "
2605	" larva	" "	" 24 "	" "
2606	" ephilida?, egg.	Exp. 2603	Aug. 4 "	" "
2607	Larva on corn, insectary	Urbana, Ill	" 5 "	" "
2608	Nectarophora pisi, to test effect of moisture	Exp. —	" 8 "	— "
2609	Katydid	Urbana, Ill.	" " "	Davis & "
2610	Lachnostema larva from under apple tree	Olney "	Jul. " "	" "
2611	" " " " " "	" "	" " "	" "
2612	" " " " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
	36827.
	36815, 36819,
	36816
	36859

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2613	Lachnosterna larva from under apple tree	Olney, Ill	Jul. 8 '05	Webster+Davis
2614	" " " " " "	" "	" " "	" "
2615	" " " " " "	" "	" " "	" "
2616	" " " " " "	" "	" " "	" "
2617	" " " " " "	" "	" " "	" "
2618	" larvae	Ludlow "	Aug. 12 "	" "
2619	" "	Champaign "	Apr. 24 "	" "
2620	Archips rosaceana, larvae, on apple	Exp. 2467	Aug. 15 "	" "
2621	Larvae found near strawberry roots	Urbana, Ill.	" " "	" "
2622	Strawberry leaf-roller, larvae	" "	" " "	" "
2623	Apple-leaf skeletonizers	" "	" 16 "	" "
2624	Dipterous leaf-miner on Verbena	" "	" 17 "	" "
2625	Larva on strawberry	Exp. 2622	" " "	" "
2626	Apple-leaf skeletonizers	Urbana, Ill.	" " "	" "
2627	Leaf-miner of apple, with trumpet-shaped mine	" "	" " "	" "
2628	Parasitic cocoon & host	" "	" " "	" "
2629	Lachnosterna larva	Ludlow "	" " "	" "
2630	" "	" "	" " "	" "
2631	" "	" "	" " "	" "
2632	" "	" "	" " "	" "
2633	" "	" "	" " "	" "
2634	" "	" "	" " "	" "
2635	Two white eggs	" "	" " "	" "
2636	Brown pupa in soil by corn plant	" "	" " "	" "
2637	Archips rosaceana, young larvae	Exp. 2467	" 19 "	" "
2638	Moths on ear of corn, for eggs.	Urbana, Ill.	" " "	" "
2639	Larva burrowing in corn kernels	" "	" " "	" "
2640	Chrysomelid larvae on elm	Salt Sulphur Spgs, W.Va	" 17 "	" "
2641	Slug caterpillar on apple	Savoy, Ill	" 21 "	" "
2642	" " " "	" "	" " "	" "
2643	" " " "	" "	" " "	" "
2644	Xylina sp. pupa	" "	" " "	" "
2645	" " "	" "	" " "	" "
2646	" " "	" "	" " "	" "
2647	" " larva	" "	" " "	" "
2648	Larva on apple	" "	" " "	" "
2649	Cocoon found under apple tree	" "	" " "	" "
2650	Green larva found in orchard	" "	" " "	" "
2651	Archips rosaceana, larvae	Exp. 2467	" 23 "	" "

REMARKS.	Accession Numbers.
	{36842, 36851, 36854, 36864, 36865, 36891, 36899 {36909, 36935, 36943.
	36888, 36930, 36931.
	36894.
	36889, 36890, 36895, 36902, 36903, 36906.
	36886, 36887, 36896, 36907, 36910.
	36866.
	36844.
	36845, 37294, 37469.
	36846.
	36847.
	36879.
	36960
	36880.
	36884.
	36870.
	36867.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
2652	Archips rosaceana, larvae	Exp. 2467	Aug 26'05	Webster & Dar
2653	Diabrotica longicornis, eggs	Urbana, Ill	" " "	" "
2654	" " "	" "	" 27 "	" "
2655	Otiorhynchus ovatus, test of feeding habits on grasses	Savoy "	" 21 "	" "
2656	Basswood leaf-rollers.	Alton "	" 25 "	" "
2657	Noctuid larvae on linden & elm	" "	" " "	" "
2658	Grape leaf rollers.	Upper Alton "	" 26 "	" "
2659	Diabrotica longicornis	Urbana "	" 28 "	" "
2660	Webworms on box elder	" "	" 30 "	" "
2661	Telea polyphemus larva on apple	" "	" 31 "	" "
2662	Phoxopteris comptana larvae	" "	" " "	" "
2663	Lepidopterous larvae on Nasturtium	" "	Sep. 1 "	" "
2664	Xylina sp, pupa beneath apple tree	Centralia "	Aug. 28 "	" "
2665	" " " " " "	" "	" " "	" "
2666	" " pupae " " "	" "	" " "	" "
2667	" " pupa " " "	" "	" " "	" "
2668	" " " " " "	" "	" 29 "	" "
2669	" " " " " "	" "	" " "	" "
2670	" " " " " "	" "	" " "	" "
2671	" " " " " "	" "	" " "	" "
2672	" " " " " "	" "	" " "	" "
2673	" " " " " "	" "	" " "	" "
2674	" " " " " "	" "	" " "	" "
2675	" " " " " "	Olney "	" 31 "	" "
2676	" " " " " "	" "	" " "	" "
2677	Pupa beneath apple tree	Centralia "	" 29 "	" "
2678	Xylina? pupa beneath apple tree	" "	" 28 "	" "
2679	Peculiar brown larvae on apple	" "	" " "	" "
2680	Red & black slug-like larva on apple	" "	" 29 "	" "
2681	Larva on apple	" "	" 30 "	" "
2682	" " grass beneath apple tree	" "	" 28 "	" "
2683	" in earth " " "	Olney "	" 31 "	" "
2684	Larvae on apple tree	Centralia "	" 30 "	" "
2685	Archips? larvae on apple tree	" "	" " "	" "
2686	" " " " "	" "	" " "	" "
2687	Geometrid " " " "	" "	" " "	" "
2688	Larva on apple tree	" "	" 28 "	" "
2689	Cocoons in earth beneath apple trees	" "	" " "	" "
2690	Cocoons " " "	Olney "	" 31 "	" "

REMARKS.	Accession Numbers.
	36874, 36901
	36877, 37211
	36882.
	36965, 37210
	36998, 37209, 37213.
	36885.
	36940.
	36967.
	36989, 36990.
	36892.
	36883, 36973.
	36970, 36991.
	36964, 37205.
	36961.
	36911, 36993, 36994.
	36942, 36962, 36968.
	36966.
	36995.
	37214 37240.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2691	Larvae of Tussock moth & Coelodasys unicornis on apple	Centralia, Ill.	Aug 29 '05	Webster & Davis
2692	Bud-borers on apple tree nursery stock	" "	" 30 "	"
2693	Pupa in leaf-mold beneath apple tree	Olney "	" 31 "	" "
2694	Ichizura ipomaeae larvae on oak	Urbana "	Sep. 5 "	" "
2695	Apple leaf-skeletonizer on apple	Centralia "	Aug. 30 "	" "
2696	Diabrotica longicornis, adults, for eggs	Urbana "	Sep. 7 "	" "
2697	Small larvae on peach twigs	Ashley "	" 8 "	" "
2698	Larvae boring in gourds	" "	" " "	" "
2699	Datana sp., larvae, on apple	" "	" " "	" "
2700	Cerambycid larvae in elm	Upper Alton "	Aug 25 "	" "
2701	Aphis maidis, sorghum	Exp. 2577	" 23 "	Davis
2702	" " "	" 2582	" " "	"
2703	" maidiradicis, corn	" 2587	" 24 "	"
2704	" " "	" 2585	" 25 "	"
2705	" " "	" 2584	" 26 "	"
2706	" " "	" 2575	" " "	"
2707	" " "	" 2567	" 27 "	"
2708	" " "	" 2592	" " "	"
2709	" " "	" 2588	" 28 "	"
2710	" " "	" 2591	" " "	"
2711	" " "	" 2595	" 29 "	"
2712	" " "	" 2596	" 30 "	"
2713	" maidis on sorghum	" 2594	" " "	"
2714	" maidiradicis, corn	" 2599	" 31 "	"
2715	" " "	" 2703	Sep. 1 "	"
2716	" " "	" 2704	" " "	"
2717	Chaitophorus flavus on sorghum	" 2586	" " "	"
2718	" " " "	" 2583	" " "	"
2719	Aphis maidis on sorghum	" 2701	" 2 "	"
2720	" maidiradicis on corn	" 2600	" " "	"
2721	" "	" 2705	" " "	"
2722	" " "	" 2573	" 1 "	"
2723	" " "	" 2707	" 3 "	"
2724	" " "	" 2722	" " "	"
2725	Chaitophorus flavus on sorghum	" 2593	" " "	"
2726	Aphis maidiradicis on corn	" 2709	" 5 "	"
2727	" " "	" 2708	" 6 "	"
2728	" " " "	" 2710	" " "	"
2729	" maidis on sorghum	" 2702	" " "	"

REMARKS.	Accession Numbers.
	36971.
	36897.
	36941.
	36963.
	37206.
	36908, 36997.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2730	Aphis maidiradicis on corn	Exp. 2592	Sep. 10, '05	Davis
2731	" " " "	" 2587	" " "	"
2732	" " " "	" 2714	" 11 "	"
2733	" " " "	" 2720	" 12 "	"
2734	" " " "	" 2712	" 13 "	"
2735	" " " "	" 2715	" " "	"
2736	" " " "	" 2716	" " "	"
2737	" " " "	" 2721	" 14 "	"
2738	" " " "	" 2724	" " "	"
2739	" " " "	" 2723	" 15 "	"
2740	Chaitophorus flavus on sorghum	" 2717	" " "	"
2741	Aphis maidiradicis on corn	" 2726	" 16 "	"
2742	" " " "	" 2728	" " "	"
2743	" " " "	" 2727	" 17 "	"
2744	" maidis on sorghum	" 2713	" " "	"
2745	Chaitophorus flavus on sorghum	" 2725	" 18 "	"
2746	Aphis maidiradicis " corn	" 2731	" " "	"
2747	" " " "	" 2711	" " "	"
2748	Chaitophorus flavus " sorghum	" 2718	" 21 "	"
2749	Aphis maidis " "	" 2719	" " "	"
2750	" maidiradicis " corn	" 2731	" 25 "	"
2751	" " " "	" 2746	" 29 "	"
2752	" maidis on sorghum	" 2729	" " "	"
2753	Chaitophorus flavus on sorghum	" 2745	Oct. 3 "	"
2754	" " " "	" 2748	" 4 "	"
2755	Aphis maidis on sorghum	" 2752	" 10 "	"
2756	" " " "	" 2749	" 17 "	"
2757	Aphid eggs and ants	Elliott, Sel	Apr. 11, 1906	West
2758	" " " "	" "	" " "	"
2759	" " " "	" "	" 12 "	"
2760	" " " "	" "	" " "	"
2761	" " " "	" "	" " "	"
2762	Aphis maidiradicis on corn, from eggs	Exp. —	" 22 "	"
2763	" " " " " "	"	" " "	"
2764	" " " " " "	" "	" 23 "	"
2765	" " " " " "	" "	" " "	"
2766	" " " " " "	" "	" " "	"
2767	" " " " " "	" "	" " "	"
2768	" " " " " "	" "	" 24 "	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
2769	Aphis maidiradicis on corn from eggs	Expa - - -	Apr 24 '06	West.
2770	" maidis, grass & track from sorghum patch for life history	Urbana Ill	" 27 "	"
2771	" " old canes " " " " " "	" "	" " "	"
2772	" " soil & sorghum roots " " " " "	" "	" " "	"
2773	Aphis maidiradicis	Exp. 2767	" 30 "	"
2774	" "	" 2763	May 3 "	"
2775	" "	" 2764	" " "	"
2776	" "	" 2762	" 4 "	"
2777	" "	" 2769	" " "	"
2778	" "	" 2773	" 12 "	"
2779	" "	" 2776	" 14 "	"
2780	" "	" 2775	" 15 "	"
2781	" "	" 2777	" " "	"
2782	" "	" 2763	" 21 "	"
2783	" "	" 2778	" " "	"
2784	" "	" 2779	" " "	"
2785	" "	" 2767	" 22 "	"
2786	" "	" 2769	" 23 "	"
2787	" "	" 2775	" 24 "	"
2788	" "	" 2762	" 26 "	"
2789	" "	" 2773	" 24 "	"
2790	" "	" 2776	" 29 "	"
2791	" "	" 2784	" " "	"
2792	" "	" 2788	" 31 "	"
2793	" "	" 2783	" " "	"
2794	" "	" 2779	Jun 6 "	"
2795	" "	" 2790	" " "	"
2796	" "	" 2791	" " "	"
2797	" "	" 2784	" 8 "	"
2798	" "	" 2792	" 7 "	"
2799	" "	" 2794	" 10 "	"
2800	" "	" 2796	" 14 "	Davis
2801	Leaf-miners in apple leaves	Ashley, Ill	Sep 7, 1905	" Webb
2802	Praying mantis, parasitized	" "	" " "	" "
2803	Cocoon dug from beneath apple tree	Richl Sta. "	Aug 25 "	" "
2804	Lepid. larva in earth in apple orchard	" " "	26 "	" "
2805	Eggs in earth near corn roots	Elliott "	Sep 12 "	" "
2806	Lachnosterna eggs in earth near corn roots	" "	" "	" "
2807	Apple badly infested with San Jose scale, for length of [life on apple	Ashley "	" 9 "	" "

REMARKS.	Accession Numbers.
	36929, 36954, 36955, 37202, 37203.
	37201.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2808	Apple bud borers in "water sprouts" of apple	Urbana, Ill	Sept 15 '05	Webster & Kelly
2809	Diabrotica longicornis, for eggs, &c.	Elliott "	" 17 "	"
2810	" " eggs	" "	" 19 "	"
2811	" " & "	" "	" " "	"
2812	Agrotis badinodis, adult, for eggs &c.	Expts. —	" 26 "	"
2813	Automeris io, larva on peach	Kensington Md	" 20 "	"
2814	Leaf-rollers on peach	" "	" " "	"
2815	Lachnosterna fusca, larvae	Ludlow, Ill	" 28 "	" & Kelly
2816	" rugosa "	" "	" " "	"
2817	" gibbosa "	" "	" " "	"
2818	Eggs (?) found in earth	Exp. 2293	Oct 5 "	" & Davis
2819	Xylina antennata adults	Urbana, Ill.	" 8 "	"
2820	Scarabaeid larva	" "	" 12 "	"
2821	Coccinellid larva + pupae	Marion "	Nov. 8 "	"
2822	Lachnosterna implicita, adults, for eggs, &c.	Elliott "	Oct 5 "	"
2823	" inversa " " " "	" "	" " "	"
2824	Cyclocephala immaculata	" "	" " "	"
2825	Lachnosterna fusca, larvae	" "	" " "	"
2826	" gibbosa,	" "	" " "	"
2827	" inversa, adults	" "	" 25 "	"
2828	" implicita "	" "	" " "	"
2829	" " "	" "	" 13 "	"
2830	Mantis, egg clusters	Marion "	Dec. 26 "	"
2831	Isosoma, stems of Elymus virginicus for adults	Champaign "	Jan. 27, 1906	"
2832	Tiphia cocoons from furrow	Elliott "	Nov. 25, 1905	"
2833	Grasshopper eggs	" "	Dec. 27 "	"
2834	Eggs of mite on soft maple, Lincoln Park	Chicago "	Feb. 7, 1906	"
2835	Xylina laticinerea? adult, for eggs	Exp. 2115	Mar. 21 "	"
2836	Tiphia cocoons	Elliott, Ill	Oct. 5-7, 1905	"
2837	Clover-hay worms	Oblong "	Dec. 8 "	"
2838	Lep. larva from underground wheat oats, Insectary basement	Urbana "	Apr. 5, 1906	West
2839	Moth for eggs, &c.	Exp. 2626	" 13 "	"
2840	Insect on corn	Elliott, Ill	" 10 "	"
2841	Lasius brunneus?	" "	" 12 "	"
2842	Archips cerasivorana larvae, from eggs	Exp. 2238	" 16 "	"
2843	Ants	Elliott, Ill	" " "	"
2844	White grubs	" "	" 17 "	"
2845	" "	" "	" " "	"
284[illegible]	Lachnosterna implicita (Kelly det.) for eggs, &c.	" "	" " "	"

REMARKS.	Accession Numbers.
	36987.
	37260.
	37273.
	36974.
	36985.
	37283
	37219.
	36986.
	36981, 36984.
	37222.
	36988.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2847	Chinese mantis, eggs on Bignonia capreolata	Germantown Pa	Apr. 1706	West.
2848	Diabrotica longicornis, eggs	Elliott, Ill	" 27 "	"
2849	" " "	"	" " "	"
2850	" " "	"	" " "	"
2851	" " "	"	" " "	"
2852	" " "	"	" " "	"
2853	" " "	"	" " "	"
2854	" " "	"	" " "	"
2855	" " "	"	" " "	"
2856	" " "	"	" " "	"
2857	" " "	"	" " "	"
2858	" " "	"	" " "	"
2859	" " "	"	" " "	"
2860	" " "	"	" " "	"
2861	" " "	"	" " "	"
2862	" " "	"	" " "	"
2863	" " "	"	" " "	"
2864	" " "	"	" " "	"
2865	" " "	"	" " "	"
2866	" " "	"	" " "	"
2867	" " "	"	" " "	"
2868	" " "	"	" " "	"
2869	" " "	"	" " "	"
2870	" " "	"	" " "	"
2871	" " "	"	" " "	"
2872	" " "	"	" " "	"
2873	White grubs	"	" " "	"
2874	" "	"	" 24 "	"
2875	Tiphia cocoon	"	" " "	"
2876	Lepid. larva on young apple leaves	Urbana "	" 28 "	"
2877	Diabrotica longicornis eggs	Elliott "	" 27 "	"
2878	Lachnosterna larvae, fusca group	"	" " "	"
2879	" "	"	" " "	"
2880	" "	"	" " "	"
2881	" "	"	" " "	"
2882	" "	"	" " "	"
2883	" sp., larvae	"	" " "	"
2884	" gibbosa, "	"	" " "	"
2885	Diabrotica longicornis, eggs	"	" " "	"

REMARKS.	Accession Numbers.
from Meehan's nursery, thru L. W. Gordon, of Equality, Ill.	31212, 37232, 37301.
	37225

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
2886	Cyclocephala lanva	Elliott, Ill.	Apr 27 '06	West
2887	Lachnosterna inversa, parasites on adult.	" "	" " "	"
2888	Lachnosterna sp., larvae	" "	" " "	"
2889	" " " same species as 2888(?)	" "	" " "	"
2890	" " " " " " "	" "	" " "	"
2891	" " "	" "	" " "	"
2892	" " " same species as 2891(?)	" "	" " "	"
2893	" " " " " " "	" "	" " "	"
2894	" " " " " " "	" "	" " "	"
2895	" " " " " " "	" "	" " "	"
2896	" " " " " " "	" "	" " "	"
2897	" " " " " " "	" "	" " "	"
2898	" larvae, fusca group	" "	" " "	"
2899	" " " "	" "	" " "	"
2900	" " " "	" "	" " "	"
2901	" " " "	" "	" " "	"
2902	" " " "	" "	" " "	"
2903	" " " "	" "	" " "	"
2904	" " " "	" "	" " "	"
2905	" " " "	" "	" " "	"
2906	" " " "	" "	" " "	"
2907	" " " "	" "	" " "	"
2908	" " " "	" "	" " "	"
2909	" " " "	" "	" " "	"
2910	" " " "	" "	" " "	"
2911	" " " "	" "	" " "	"
2912	" " " "	" "	" " "	"
2913	" " " "	" "	" " "	"
2914	" " " "	" "	" " "	"
2915	" " " "	" "	" " "	"
2916	" " " "	" "	" " "	"
2917	" " " "	" "	" " "	"
2918	" " " "	" "	" " "	"
2919	" " " "	" "	" " "	"
2920	" " " "	" "	" " "	"
2921	" " " "	" "	" " "	"
2922	" " " "	" "	" " "	"
2923	" rugosa "	" "	" " "	"
2924	" " " "	" "	" " "	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2925	Lachnostena lanvae, rugosa group	Elliott, Ill	Apr. 27 '06	West.
2926	" " "	" "	" " "	"
2927	" " "	" "	" " "	"
2928	" " "	" "	" " "	"
2929	" " "	" "	" " "	"
2930	" " "	" "	" " "	"
2931	" " "	" "	" " "	"
2932	" " "	" "	" " "	"
2933	" " "	" "	" " "	"
2934	" " "	" "	" " "	"
2935	" " "	" "	" " "	"
2936	" " "	" "	" " "	"
2937	" " "	" "	" " "	"
2938	" " "	" "	" " "	"
2939	" " "	" "	" " "	"
2940	Ants and larvae	" "	" " "	"
2941	Siphia cocoons	" "	" " "	"
2942	Diabrotica longicornis eggs	" "	" " "	"
2943	" " "	" "	" " "	"
2944	" " "	" "	" " "	"
2945	" " "	" "	" " "	"
2946	" " "	" "	" " "	"
2947	" " "	" "	" " "	"
2948	" " "	" "	" " "	"
2949	" " "	" "	" " "	"
2950	" " "	" "	" " "	"
2951	" " "	" "	" " "	"
2952	" " "	" "	" " "	"
2953	" " "	" "	" " "	"
2954	" " "	" "	" " "	"
2955	" " "	" "	" " "	"
2956	" " "	" "	" " "	"
2957	" " "	" "	" " "	"
2958	Lachnostena larvae, rugosa group	" "	" " "	"
2959	Moths of leaf-miner of trumpet shaped mine	Exp. 2801	May 4 "	"
2960	Lachnostena eggs	Elliott, Ill	" 2 "	"
2961	Tenthredinid adults on strawberry, for eggs &c	Urbana "	" 5 "	"
2962	" larvae " "	Elliott, "	" " "	"
2963	" " " " , same species as 2962	" "	" " "	"

REMARKS.	Accession Numbers.
	37237, 37259 37281, 37292, 37299, 37314, 37385.
	36996, 36999
	37363.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
2964	Leaf-miner on apple, adult moths, for eggs, &c.	Exp. 2801	May 9 '06	West
2965	Mites on corn, to see if they injure corn	" 2809	" 10 "	"
2966	" " " " " " "	" 2696	" " "	"
2967	Canarsia hammondi, for eggs &c.	" 2626	" 21 "	"
2968	Misc. larvae on apple	Urbana, Ill.	Jun. '12 "	Davis
2969	Larva on apple	" "	" " "	"
2970	Lepid. larva on evergreen	Pike "	" " "	"
2971	Ligyrus relictus, larva	Elliott "	" " "	"
2972	Epicaerus imbricatus, eggs on corn	" "	" " "	"
2973	Lachnosterna inversa, egg	Urbana "	" " "	"
2974	" implicita, "	" "	" " "	"
2975	Dipterous larvae in onions	Chicago "	" 14 "	"
2976	" " " "	" "	" " "	"
2977	" " " "	" "	" " "	"
2978	" " from onions, for pupal stage	" "	" " "	"
2979	Phoxopteris comptana, larvae, on strawberry	Urbana "	" 16 "	"
2980	" " pupae, " "	" "	" " "	"
2981	Selandria rubi larvae on blackberry	" "	" " "	"
2982	Dipterous larvae from onions	Exp. 2977	" 18 "	"
2983	Tiphia adults placed with white grubs	Elliott, Ill	" 20 "	"
2984	Cyclocephala immaculata adults, for eggs	Urbana, "	" 19 "	"
2985	Lachnosterna rugosa, adults, for eggs	" "	" " "	"
2986	" hirticula, " "	" "	" " "	"
2987	" inversa, " "	" "	" " "	"
2988	" implicita, " " "	" "	" " "	"
2989	" " " eggs	" "	" 21 "	"
2990	" ilicis, adults, for eggs	" "	" 19 "	"
2991	" ?sp. eggs	Elliott, "	" 22 "	"
2992	Rhynchophora, egg on corn	"	" "	"
2993	Lachnosterna of fusca group, probably parasitized by Tiphia	Exp. 2983	" 23 "	"
2994	Pulvinaria innumerabilis on maple, for parasites	Chicago, Ill	" 19 "	"
2995	" " " " exp. with	" "	" " "	"
2996	" " " " "	" "	" " "	"
2997	Dipterous pupae, onion	Exp. 2976	" 25 "	"
2998	Lachnosterna implicita, eggs	2988	" 26 "	"
2999	Dipterous larvae from body of Lachnosterna adult.	Elliott Ill	" 23 "	"
3000	Lachnosterna gibbosa, probably parasitized by dipterous larva	" "	" " "	"
3001	Dipterous pupae, onion	Exp. 2975	" 26 "	"
3002	Lachnosterna larvae, parasitized by Tiphia	2983	" 28 "	West & Davis

REMARKS.	Accession Numbers.
	37208.
	37207.
	37220.
	37236, 37251, 37261.
	37252.
	37239.
	37227, 37288, 37290, 37310.
	37223.
	37293.
	37226.
	37229, 37243, 37256.
	37247.
	37248 37263, 37277.
	37242, 37250 37253, 37262.
	37228, 37376.
	37271.
	37278.
	37279.
	37282.
	37280.
	37234 37264–37266, 37270, 37274, 37275.
	37238, 37255.
"	37254

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
3003	Phoxopteris comptana larvae, strawberry	Exp. 2980	Jun 29 '06	West + Da
3004	Dipterous pupae from onions	" 2977	" " "	"
3005	" " " "	" "	" " "	"
3006	Lachnosterna parasitized with Tiphia eggs	" 2983	" 30 "	" "
3007	Cyclocephala (immaculata?) eggs.	" 2984	" " "	" "
3008	Lachnosterna larvae parasitized with Tiphia eggs	" 2983	July 2 "	" "
3009	Lachnosterna implicita eggs	" 2988	" " "	" "
3010	Lachnosterna larvae parasitized with Tiphia eggs	" 2983	" 5 "	" "
3011	San Jose scale infesting peach branches	Cobden, Ill	" " "	" "
3012	Hesperid larvae on Wisteria	———	" 6 "	" "
3013	Pissodes strobi infesting white pine	Dundee, Ill	" 7 "	" "
3014	Scolytidae infesting white pine	" "	" " "	" "
3015	Lachnosterna larvae parasitized with Tiphia eggs	Exp. 2983	" " "	" "
3016	" " " " " "	" "	" " "	" "
3017	Pupa of parasite on white grub	" 2908	" 9 "	" "
3018	Diabrotica longicornis larva	" 2860	" " "	" "
3019	Lachnosterna hirticula eggs	" 2986	" " "	" "
3020	" ilicis "	" 2990	" " "	" "
3021	Joint-worm infesting wheat-straw	Mattoon, Ill.	" 6 "	" "
3022	Phoxopteris comptana larvae on strawberry	Exp. 2980	" 10 "	" "
3023	Lachnosterna larvae parasitized with Tiphia eggs	" 2983	" " "	" "
3024	Geometrid larva on raspberry	———	" " "	" "
3025	Pyrgota undata with adult Lachnosterna	Urbana, Ill	Jun. 9 "	" "
3026	Lachnosterna pupa	Exp. 2983	Jul 13 "	" "
3027	Ligyrus sp., larvae	Elliott, Ill.	" " "	" "
3028	Lachnosterna larvae parasitized by Tiphia eggs	Exp. 2983	" 16 "	" "
3029	" implicita eggs.	2829	" 17 "	" "
3030	Ligyrus grubs in rotting clover hay.	Elliott, Ill.	" 18 "	" "
3031	Cyclocephala? eggs from corn field	" "	" 20 "	" "
3032	Larva from on corn roots	Effingham "	" 24 "	" "
3033	Phoxopteris comptana, young, strawberry.	Exp. 3003	Aug 3 "	" "
3034	" " " "	" "	" 4 "	" "
3035	Tiphia adults placed with Lachnosterna larvae	" 2941	" 17 "	" "
3036	Flea-beetles supposed to injure strawberry, + placed on it	Alpha, Ill.	" 23 "	" "
3037	San Jose scale on apple	Cobden "	Jul 28 "	" "
3038	" " " "	" "	" " "	" "
3039	Cocoons of Dipterous parasites on Lachnosterna	Elliott "	Aug 29 "	" "
3040	Tiphia cocoons	" "	" " "	" "
3041	Lachnosterna larvae parasitized	" "	" " "	" "

REMARKS.	Accession Numbers.
	37296.
	37284.
	37289.
	37257, 37286
	37258 37295
	37297.
	37291.
	37272.
	37267–37269, 37378, 37386.
	37356
	37276.
	37285, 37442.
	37287.
	37308
	37302, 37303.
	37444.
	37449.
	37304, 37440.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
3042	Larvae parasitic on Lachnosterna larvae	Elliott, Ill	Aug. 29 '06	West & Davis
3043	Coleopterous pupae	" "	" " "	" "
3044	Phyxopteris comptana, young larvae, strawberry	Exp. 3033	Sept. 4 "	Davis
3045	Larva feeding on strawberry	" "	" " "	"
3046	Bud-borers infesting apple nursery stock	Centralia, Ill	" 3 "	"
3047	" " " "	" "	" " "	"
3048	Leaf-rollers on apple	" "	" " "	"
3049	" " "	" "	" " "	"
3050	" " "	" "	" " "	"
3051	Apple leaf-skeletonizer on apple	" "	" " "	"
3052	Phyxopteris comptana, young larvae, strawberry	Exp. 3033	" 6 "	"
3053	Young San Jose scale on apple	" 3038	" 14 "	"
3054	Diabrotica longicornis adults for eggs	Elliott, Ill.	Aug. 28 "	"
3055	Ophion cocoon, parasite on Lachnosterna larvae	Leroy "	Sept. 1 "	"
3056	Lachnosterna larvae, rugosa group, from cornfield	" "	" " "	"
3057	" " fusca " " "	" "	" " "	"
3058	" " rugosa " " "	Farmer City "	" 22 "	"
3059	" " fusca " " "	" " "	" " "	"
3060	" " from cornfield	" " "	" " "	"
3061	Tiphia cocoons from oat field	Elliott "	" 20 "	"
3062	Pupa of dipterous parasite on white grubs	" "	" " "	"
3063	Dipterous pupa, parasitic upon Lachnosterna grubs [from oat field	" "	" " "	"
3064	" larvae " " " " "	" "	" " "	"
3065	Prionus larva from oat field	" "	" " "	"
3066	Meloid larva from furrow in oat field	Leroy "	Oct 10	"
3067	Dipterous larvae in meadow among white grubs	Mackinaw "	" 11 "	"
3068	White grubs from cornfield parasitized with Tiphia egg	Leroy "	10 "	"
3069	Tiphia & 2 other cocoons from cornfield	Atlanta "	" 12 "	"
3070	Four Tiphia cocoons from oat field	Leroy "	" 8 "	"
3071	Tiphia " " "	Clinton "	" 17 "	"
3072	Tiphia & other " "	Heyworth "	" " "	"
3073	Tiphia " " cornfield & meadow	Mackinaw "	" 11 "	"
3074	Insect eggs in cavities on corn stalk	Urbana "	Mar. 14, 1907	"
3075	Pyralid larvae in corn stalks	" "	" " "	"
3076	Pupa of dipterous parasite on Noctuid(?) larva in corn stalk	" "	" " "	"
3077	Dipterous pupa found in cavity in corn stalk	" "	" " "	"
3078	" " " " " " " "	" "	" " "	"
3079	" " " " " " " "	" "	" 18 "	"
3080	" larvae in kernels of corn in field	" "	Nov. 12, 1906.	"

REMARKS.	Accession Numbers.
	37305.
	37306.
	37357.
	37307
	37312.
	37316.
	37313.
	37368
	37360. 37416 37418. 37420.
	37311.
	37386
	37315, 37439, 37451.
	37419, 37459
	37407, 37412, 37461,
	37413.
	37365.
	37358, 37398,
	37359 37445

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
3081	Microphthalma disjuncta adults, parasitic on white grubs	Expt —	Mar 26 '07	Davis
3082	Pyralid larva infesting sweet corn stalk	Leroy, Ill.	" 27 "	"
3083	Dipterous larvae in corn kernels	Hoopeston "	" " "	"
3084	Chyromelid eggs on sour dock	Middletown "	" 30 "	"
3085	White grubs in and under rotten wood	" "	" " "	"
3086	Strawberry plants treated with oil of lemon emulsion	Urbana "	" 16 "	Kelly
3087	" " " " " " " "	" "	" " "	"
3088	" " check row	" "	" " "	"
3089	" " treated with oil of lemon emulsion	" "	" " "	"
3090	" " " " " " " "	" "	" " "	"
3091	Dipterous larvae in corn kernels in insectary	" "	Apr. 1 "	Davis
3092	Pyralid larvae infesting corn stalks	Leroy "	" 2 "	"
3093	Exochomus bipustulatus adults, fed aphids	Wakefield Mass	" 1 "	"
3094	Grapholitha prunivora larvae on apple	Centralia, Ill.	Mar. 30 "	"
3095	Tiphia cocoons from corn-field	Leroy "	Apr. 4 "	"
3096	Dipterous larva in partially decayed ear of corn	" "	" 6 "	"
3097	Cyclocephala larvae placed with Tiphia sp. adults	Expt —	" 20 "	"
3098	Chinese mantis, egg mass	Germantown, Pa.	" 18 "	"
3099	Lepidopterous larva eating green fruit of strawberry	Urbana, Ill.	" 25 "	"
3100	Aphis maidiradicis; corn	Exp. 2795	Jun. 17, 06	"
3101	" " "	" 2797	" 18 "	"
3102	" " "	" 2798	" " "	"
3103	" " "	" 2799	" " "	"
3104	" " "	" 2792	" 20 "	"
3105	" " "	" 2800	" 23 "	"
3106	" " "	" 3102	" 27 "	"
3107	" maidis from broom corn	Mattoon, Ill.	" " "	"
3108	" " " " "	" "	" " "	"
3109	" " " " "	" "	" " "	"
3110	" " " " "	" "	" " "	"
3111	" " " " "	" "	" " "	"
3112	" " " " "	" "	" " "	"
3113	" maidiradicis, corn	Exp. 3104	" 29 "	"
3114	" maidis from broom-corn	Mattoon, Ill	" 27 "	"
3115	Chaitophorus flavus, stock cage.	" "	" 29 "	"
3116	" "	" "	" " "	"
3117	Aphids on Panicum crus-galli placed on sorghum	" "	" " "	"
3118	" " " " " " "	" "	" " "	"
3119	" " " " " " "	" "	" " "	"

REMARKS.	Accession Numbers.
	37377.
	37381.
	37361, 37373.
	37362.
	37364, 37371.
	37388, 37395
	37366, 37450.
	37379.
	37414, 37417, 37423.
	37367, 37375.
	37394, 37438.
	37399, 37424
	37392.
	37241.
	37244.
"	37249.
	37246.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
3120	Chaitophorus flavus, young	Exp. 3116	Jun. 30 '06	Davis
3121	" " adult	Mattoon, Ill	" 29 "	"
3122	Aphis maidiradicis, corn	Exp. 3105	Jul. 1 "	"
3123	Chaitophorus flavus, young	" 3121	" " "	"
3124	Aphis maidiradicis, corn	" 3106	" 4 "	"
3125	Aphis maidis, sorghum	" 3110	" 6 "	"
3126	" maidiradicis, corn	" 3104	" 8 "	"
3127	" " "	" 3113	" 9 "	"
3128	Chaitophorus flavus on sorghum	" 3120	" " "	"
3129	Aphis maidis, sorghum	" 3109	" " "	"
3130	" maidiradicis, corn	" 3122	" 11 "	"
3131	Chaitophorus flavus, sorghum	" 3123	" 13 "	"
3132	Aphis maidiradicis, corn	" 3126	" 14 "	"
3133	" maidis, broom-corn	" 3125	" " "	"
3134	" " " "	" 3129	" " "	"
3135	" maidiradicis, corn	" 3124	" 16 "	"
3136	" maidis, broom-corn	" 3110	" " "	"
3137	" maidiradicis, corn.	" 3127	" 17 "	"
3138	Chaitophorus flavus, sorghum	" 3123	" 18 "	"
3139	" " "	" 3128	" 19 "	"
3140	Aphis maidis, broom-corn	" 3133	" " "	"
3141	" " " "	" 3134	" 20 "	"
3142	" maidiradicis, corn	" 3126	" 21 "	"
3143	" " "	" 3130	" " "	"
3144	Chaitophorus flavus, sorghum	" 3131	" " "	"
3145	Aphis maidis, broom-corn	" 3136	" " "	"
3146	" maidiradicis, corn	" 3132	" 22 "	"
3147	" " "	" 3137	" 25 "	"
3148	" " "	" 3135	" 26 "	"
3149	Chaitophorus flavus, sorghum	" 3138	" 27 "	"
3150	" " "	" 3139	" " "	"
3151	Aphis maidiradicis, corn	" 3142	" 28 "	"
3152	"	" 3146	" 31 "	"
3153	Chaitophorus flavus, sorghum	" 3144	" " "	"
3154	Aphis maidis, broomcorn	" 3145	" " "	"
3155	"	" 3141	Aug 1 "	"
3156	" maidiradicis, corn	" 3147	" 2 "	"
3157	" " "	" 3142	" 3 "	"
3158	" "	" 3148	" " "	"

REMARKS.	Accession Numbers.
	37300.
	37300

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
3159	Aphis maidiradicis, corn	Exp. 3151	Aug. 4 '06	Davis
3160	Chaitophorus flavus, sorghum	" 3149	" " "	"
3161	" " "	" 3150	" " "	"
3162	Aphis maidiradicis, corn	" 3152	" 7 "	"
3163	" maidis, broom-corn	" 3154	" " "	"
3164	" " " "	" 3155	" " "	"
3165	Chaitophorus flavus, sorghum	" 3153	" 8 "	"
3166	Aphis maidiradicis, corn	" 3156	" 9 "	"
3167	" " "	" 3157	" " "	"
3168	" " "	"	" 13 "	"
3169	Chaitophorus flavus, sorghum	" 3161	" "	"
3170	Aphis maidis, broom-corn	" 3163	" 14 "	"
3171	" " "	" 3164	" " "	"
3172	Chaitophorus flavus, sorghum	" 3160	" 15 "	"
3173	" " "	" 3165	" 16 "	"
3174	Aphis maidiradicis, corn	" 3158	" 17 "	"
3175	" " "	" 3167	" " "	"
3176	" maidis, broom-corn	" 3182	" " "	"
3177	Chaitophorus flavus, sorghum	" 3138	" 18 "	"
3178	Aphis maidis, broom-corn	" 3170	" 20 "	"
3179	" " "	" 3171	" " "	"
3180	Chaitophorus flavus, sorghum	" 3169	" 21 "	"
3181	Aphis maidis, broom-corn	" 3110	" 10 "	"
3182	" " "	" 3181	" " "	"
3183	" " "	" 3176	" 22 "	"
3184	Chaitophorus flavus, sorghum	" 3177	" " "	"
3185	" " "	" 3172	" 23 "	"
3186	" " "	" 3173	" 24 "	"
3187	Aphis maidis, broom-corn	" 3178	" 25 "	"
3188	" " "	" 3179	" 27 "	West
3189	" " "	" 3183	" 30 "	"
3190	" " "	" 3187	Sep. 2 "	"
3191	Chaitophorus flavus, sorghum	" 3180	Aug. 30 "	"
3192	" " "	" 3184	Sep. 2 "	"
3193	" " "	" 3185	" "	Davis
3194	" " "	" 3186	" 4 "	"
3195	Aphis maidis, broom-corn	" 3189	" 7 "	"
3196	" "	" 3181	" " "	"
3197	"	" 3188	" 8 "	"

REMARKS.	Accession Numbers.
	37300.
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EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
3198	Chaitophorus flavus, sorghum	Exp. 3191	Sep. 9 06	Davis
3199	" " "	" 3192	" 10 "	"
3200	Aphis maidis, broom-corn	" 3190	" " "	"
3201	" " "	" 3196	" " "	"
3202	Chaitophorus flavus, sorghum	" 3193	" 11 "	"
3203	" " "	" 3177	" 14 "	"
3204	" " "	" 3194	" " "	"
3205	Aphis maidis, broom-corn	" 3195	" 15 "	"
3206	" " "	" 3197	" " "	"
3207	" " "	" 3201	" 16 "	"
3208	" " from Panicum crusgalli in Insectary	Urbana, Ill.	" 6 "	"
3209	Larvae feeding on Aphis maidis	Exp. 3208	" 12 "	"
3210	Aphis maidis broom-corn	" 3200	" 17 "	"
3211	Chaitophorus flavus, sorghum	" 3198	" 18 "	"
3212	" " "	" 3199	" 19 "	"
3213	Aphis maidis, broom-corn	" 3196	" " "	"
3214	Chaitophorus flavus, sorghum	" 3202	" 21 "	"
3215	Aphis maidis, broom-corn	" 3206	" " "	"
3216	" " "	" 3210	" 24 "	"
3217	" " "	" 3213	" " "	"
3218	Chaitophorus flavus, sorghum	" 3203	" " "	"
3219	" " "	" 3204	" " "	"
3220	Aphis maidis, broom-corn	" 3205	" 25 "	"
3221	" " "	" 3207	" "	"
3222	" " young, from broom corn	" 3215	" 28	"
3223	Diabrotica longicornis larvae	" 4822	Jun 10, 1909	C.E. Sanborn
3224	Chaitophorus flavus, young, from sorghum	" 3212	Oct. 1. '06	Davis
3225	Aphis maidis, young, from broom-corn	" 3221	" 2 "	"
3226	Chaitophorus flavus " " sorghum	" 3211	" 3 "	"
3227	Aphis maidis " " broom-corn	" 3220	" " "	"
3228	Chaitophorus flavus " " sorghum	" 3214	" 4 "	"
3229	Aphis maidis " " broom-corn	" 3216	" 17 "	"
3230	" " " " "	" 3225	" 20 "	"
3231	" " " " "	" 3227	" " "	"
3232	" " " " "	" 3222	" 25 "	"
3233	" " " " "	" 3229	Nov. 1 "	"
3234	" " " " "	" 3230	" " "	"
3235	" " " " "	" 3231	" 8 "	"
3236	" " " " "	" 3232	" 18 "	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
3237	Chaitophorus flavus young, hatched from eggs laid in insectary (last fall)	Exp.	Mar. 16, '07	Davis
3238	Aphid eggs from nut meat	Delavan, Ill.	" 29	"
3239	"	Middletown "	" 30 "	"
3240	" " " in corn-field	LeRoy "	" 26 "	"
3241	" " " grass "	Urbana "	" 24 "	"
3242	" " " " oats "	Leroy "	Apr. 4 "	"
3243	Chaitophorus flavus young of 2d generation, sorghum	Exp. 3231b	" 24 "	"
3244	" " " " "	" 3231a	" 25 "	"
3245	" " " 3d " broom-corn	" 3243	May 14 "	"
3246	Tigrota undata adults placed with Lachnostema adults	" --	" "	"
3247	Toxoptera graminum on wheat, for parasites	Pulaski, Ill.	May 28, '07	"
3248	Chaitophorus flavus, young of 3d generation, broom-corn	Exp. 3237b	" 29 "	"
3249	" " " " "	" 3244	" 18 "	"
3250	" " " 4th " " "	" 3249	" 30 "	"
3251	" " " " " "	" 3245	" " "	"
3252	Macrosiphum granaria on wheat, for parasites	Winchester, Ill.	" 25 "	"
3253	Chaitophorus flavus young of 5th generation, broom corn	Exp. 3250	June 11	"
3254	" " " " 4th " "	" 3248	" 13	"
3255	" " " " 5th " "	" 3251	" " "	"
3256	" " " " 3d " "	" 3231a	" 17 "	"
3257	" " " " 3d " "	" 3256	" " "	"
3258	Wireworms from corn-field	St. Anne, Ill	" 18 "	"
3259	Macrosiphum granaria, parasitized, on wheat	Urbana "	" 21 "	"
3260	Wireworms from corn-field	St. Anne, "	" 21 "	Tanquary
3261	Toxoptera graminum from wheat, parasitized	Havana "	" " "	"
3262	Lachnostema gibbosa adults from blackberry	Savoy "	" 22 "	"
3263	Chaitophorus flavus, young, 6th generation	Exp. 3253	" " "	"
3264	" " " " 5th "	" 3254	" " "	"
3265	" " " " 6th "	" 3255	" 24 "	"
3266	" " " " 4th "	" 3257	" 28 "	"
3267	Aphid larva feeding on corn	Leroy, Ill.	" 26 "	"
3268	Coleopterous pupa in earth in cornfield	" "	" 27 "	"
3269	Diabrotica 12-punctata adults & eggs from cornfield	" "	" 26-28 "	"
3270	Tiphia larva on Lachnostema larva " "	" "	" 26 "	"
3271	Coleopterous larva from earth in corn-field	" "	" 27 "	"
3272	Coleopterous pupae " "	" "	" " "	"
3273	Lachnostema & other grubs from corn-field	" "	" " "	"
3274	Lachnostema eggs in corn hill	" "	" " "	"
3275	Coleopterous larvae from among roots of sprouting corn	" "	" " "	"

REMARKS.	Accession Numbers.
	37272.
	37369.
	37374.
	37380, 37393, 37397, 37430, 37497, 37503, 37504.
	37382–37384, 37387, 37391
	37390, 37396.
	37421.
	37400.
	37401, 37404, 37405, 37409.
	37402, 37452.
	37403, 37406.
	37499,
	37446.
	37411
	38796;
	38797, 37448.
	37408, 37431, 37432, 38830.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
3276	Papaipema nitela larvae in young corn	Leroy, Ill	Jul. 1 '07	Sanger
3277	Small white coleopterous larvae in corn hill.	" "	" "	"
3278	Chaitophorus flavus, young, 7th generation	Exp. 3263	" 2 "	"
3279	Small white grub-like coleopterous larvae in corn hill	Leroy, Ill.	" " "	"
3280	Dipterous larvae on dead white grub	" "	" "	"
3281	Small striped lepidopterous larva on corn leaf	" "	" " "	"
3282	Chaitophorus flavus, young, 6th generation	Exp. 3264	" 4 "	"
3283	Dipterous larvae in corn-field	Leroy, Ill.	" 3 "	"
3284	Noctuid larva.	" "	" " "	"
3285	Tortricid leaf-roller larvae on apple	Bloomington "	" 1 "	"
3286	Chaitophorus flavus, 7th generation	Exp. 3265	" 5 "	"
3287	White grub-like coleopterous larvae, ½ inch long, corn hill.	Leroy, Ill.	" " "	"
3288	Chaitophorus flavus, 5th generation	Exp. 3266	" 7 "	"
3289	Lepidopterous larvae on corn leaves	Leroy, Ill	" 6 "	"
3290	Caterpillars on corn leaves	" "	" " "	"
3291	Chaitophorus flavus, 8th generation	Exp. 3278	" 8 "	"
3292	Noctuid? larva on corn leaf	Leroy, Ill.	" "	"
3293	Coleopterous pupa in earth in corn field	" "	" " "	"
3294	Colaspis brunnea? larvae; corn field	" "	" " "	"
3295	Caterpillar on pear tree	Normal "	" 1 "	"
3296	Noctuid larvae on corn leaves	Leroy "	" 9 "	"
3297	Small white coleopterous larvae on sprouting corn	" "	" " "	"
3298	Two Lachnosterna larvae parasitized with Tiphia larvae	from corn field " "	" " "	"
3299	Sphingid larva from corn field	" "	" " "	"
3300	Mosquito pupae + a few larvae, Boneyard Cr.	Urbana Ill	Jul 7 1906	Shobe
3301	" larvae + pupae from shelter of overhanging log	" "	" 13 "	"
3302	" " from unused farm-water tank, water + algae	" "	" 12 "	"
3303	Culex + Anoph. larvae + pupae from rain-water in cow-boots	" "	" 21 "	"
3304	Mosquito, Culex, from rain barrel	" "	23 "	"
3305	Mosquito larvae + pupae, small pool by Wabash Stockyard	" "	" " "	"
3306	" " " " from "pitchers" of Sarracenia in bog	Cedar Lake "	Aug 2 "	Hart
3307	Culex + Anopheles from weed-shaded pool by R.R., S.E. part of town	E. St. Louis Ill	Jul 16	"
3308	" " Culex larvae, shallow waters near Pittsburg Lake	" "	" 10 "	"
3309	Mosquito larvae from ditch + cattle tracks by swamp	White Heath, Ill	Jun 18 "	" + Shobe
3310	" " " little roadside pool, clear water	Grand Tower "	" 28 "	" "
3311	Psorophora larva " " " " " "	" " "	" " "	" "
3312	Mosquito larvae from pools in wooded bottom land	" " "	" " "	" "
3313	Diabrotica longicornis larvae	Exp. 4822	" 10, 1909	C. E. Sanborn
3314	Lachnosterna inversa, for life history	" 1162	" 22, 1910	A. A. Girault

REMARKS.	Accession Numbers.
	37422, 37428,
	37436.
	37447
	37441.
	37437.
	37434, 38830.
	37603.
Salt Fork above Crystal Lake	37604, 37605.
	37606.
Crystal Lake	37607, 37608.
Locality photographed.	37609, 37610
	37611, 37612.
	37613–37615.
	37616–37618.
Vicinity Grand Marais L.	37619, 37620.
near Sangamon R,	37621
Devil's Backbone	37622, 37623 37625–37628.
" "	37624.
	37629–37631.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
3315	Lachnosterna inversa for life history	Exp. 1162	Jnn. 29, '10	A.A. Girault
3316	" " " " "	" "	" 30 "	"
3317	" hirticula " " "	" 1157 re	Jul. 18 "	"
3318	Thyridopteryx ephemeraeformis young larvae for parasites	Butler, Ill.	" 21 "	W. Williams
3319	Prionine larvae	Wyoming "	" 23 "	"
3320	Chinch bugs for fungus disease	Centralia "	" 18 "	"
3321	Lachnosterna hirticula for life history	Urbana "	" 27 "	A.A. Girault
3322	" " " " "	" "	Aug. 4 "	"
3323	Effect of mixtures of oil & gas tar on the drying of the latter	" "	" 8 "	"
3324	Diabrotica longicornis larvae	Exp. 4822	Jnn. 10, 1909	C.E. Sanborn
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REMARKS.	Accession Numbers.
Brown, coll.	44067,
	44025,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIME TOP
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIE
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENT
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REMARKS.	Accession Numbers.
	43420, 43421, 43422, 43423,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
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4191	Chrysopa larvae on apple twigs	Shawneetown, Ill.	June 9, 1909	C.E. Sanborn
4192	Simulium pupae, test of endurance in still water	Havana, "	Apr. 27, 1912	Hart.
4193	Chrysomelid on willow; Adult larva & parasite infesting	Tiskilwa, Ill.	July 18 '09	G. E. Sanders
4194	Dipterous leaf-miner pupae in Asplenium pinnatifolium	Parker, "	Apr. 18, 1914	Malloch.
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REMARKS.	Accession Numbers.
probably were feeding on Schizonevra Lanigera on twigs	42213 - 42232. 43798,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
4212				
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4248	Hydroecia nitela larva from sour dock	Gilman, Ill.	June 10, 1909	C. E. Sanborn
4249	Chaitophorus flavus, 7th generation	Exp. 3282	Jul 11, 1907	Tanquary
4250	Small black-headed dipt. larvae, 6 mm. long, from decaying veg. matter	" 3054	" 12 "	"

REMARKS.	Accession Numbers.

37433

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
4251	Chaitophorus flavus, 4th generation	Exp. 3256	Jul. 12 '07	Tanquary
4252	Dipterous larvae from man's stomach	Dahlgren, Ill.	" 11 "	"
4253	Lachnosterna larvae parasitized with Tiphia larvae	Exp. 3097	" 13 "	"
4254	Chaitophorus flavus, 8th generation	" 3286	" " "	"
4255	Ligyrus grubs in manure heap	Leroy, Ill.	" 12 "	"
4256	Scudderia? nymphs feeding on corn leaves	" "	" " "	"
4257	Chaitophorus flavus, 6th generation	Exp. 3288	" 15 "	"
4258	" " 9th "	" 3291	" 17 "	"
4259	" " 5th "	" 4251	" 19 "	"
4260	" " 4th "	" 3237b	" " "	"
4261	" " 8th "	" 4249	" 20 "	"
4262	" " 7th "	" 4237	" 22 "	"
4263	" " 9th "	" 4254	" " "	"
4264	Noctuid larvae on fern in greenhouse	Champaign Ill.	" 20 "	"
4265	Chaitophorus flavus, 10th generation	Exp. 4258	" 24 "	"
4266	" 6th "	" 4259	" 27 "	"
4267	" 5th "	" 4260	" 29 "	"
4268	" 9th "	" 4261	" " "	"
4269	" 10th "	" 4263	" 30 "	"
4270	" 8th "	" 4262	" 31 "	"
4271	Ips adult	" 3297	Aug. 3 "	"
4272	Chaitophorus flavus, 11th generation	" 4265	" 5 "	"
4273	" 7th "	" 4266	" 6 "	"
4274	" 5th "	" 3256	" " "	"
4275	" 9th "	" 4270	" 9 "	"
4276	" 12th "	" 4272	" 13 "	"
4277	" 8th "	" 4273	" 14 "	"
4278	" 6th "	" 4274	" " "	"
4279	Siphs flava (Chait. flavus), 10th " on broomcorn	4275	" 18 "	Davis
4280	Lepidopterous larvae on corn; insectary	Urbana, Ill.	" 17 "	"
4281	Saw-fly larvae feeding on strawberry	Jacksonville "	" 16 "	"
4282	[illegible] larva boring in hard maple tree	Litchfield "	" 21 "	"
4283	Tineid(?) " " " " " "	" "	" " "	"
4284	Siphs flava on broomcorn, 7th generation	Exp. 4278	" 23 "	"
4285	" " " " 9th "	" 4277	" 24 "	"
4286	" " " " 13th	" 4276	" 28 "	W. S. Hummel
4287	" " " " 11th "	" 4279	" 29 "	"
4288	" " " " 8th "	" 4284	" 31 "	"
4289	" " " " 10th "	" 4285	Sep. 2 "	"

REMARKS.	Accession Numbers.
	37425.
	37438.
	37415, 37429, 37443.
	37435
	37453

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMETOR.
4290	Sipha flava on broom-corn, 5th generation	Exp. 3256	Sep. 3 '07	Davi
4291	" " " " 6th "	" 4290	" " "	"
4292	" " " " 14th "	" 4286	" 6 "	Jauquem
4293	Ceratomia catalpae, larva on catalpa tree	Lerna, Ill	" 5 "	"
4294	Lepidopterous larva on apple	Brussels "	Aug 30 "	"
4295	Tortricid larvae on osage hedge	Urbana "	Sep. 10 "	"
4296	Arctiid larva on corn	Leroy "	" " "	"
4297	Lepidopterous larvae on poplar	" "	" " "	"
4298	Pyralid? larva on goldenrod	" "	" " "	"
4299	Hymenopterous parasites on lep. larva on poplar	Exp. 4297	" " "	"
4300	Sipha flava on broom-corn, 12th generation	Exp. 4287	" 11 "	"
4301	Lachnostena larvae in oat field	Galesburg, Ill.	" " "	"
4302	" " " wheat "	" "	" " "	"
4303	" " " " "	" "	" " "	"
4304	" " " " "	" "	" " "	"
4305	" Larva from oat "	" "	" " "	"
4306	Lepidopterous larvae boring in locust twigs	New Burnside "	(Rcd) " 13 "	"
4307	Sipha flava on broom corn, 11th generation	Exp. 4289	Sep. 14 "	"
4308	" " " " " 7th "	" 4291	" " "	"
4309	" " " " " 9th "	" 4288	" " "	"
4310	Anomala binotata pupae in oats stubble	Williamsfield, Ill.	" 13 "	"
4311	White grubs in oat field	" "	" "	"
4312	" " " " "	" "	" " "	"
4313	" " " wheat stubble	Knoxville "	" 12 "	"
4314	" " parasitized with Sipha larvae	St Anne " / Williamsfield "	" 16 " / " 14 "	"
4315	Lachnostena larvae	St. Anne "	" 16 "	"
4316	White grubs	Williamsfield "	" 14	"
4317	" "	Princeton "	" " "	"
4318	" "	St. Anne "	" 16 "	"
4319	" "	" "	" " "	"
4320	Sipha flava, 15th generation	Exp. 4292	" 17 "	"
4321	" " 13th "	" 4300	" 21 "	"
4322	" " 12th "	" 4307	" 23 "	Dillon
4323	" " 8th "	" 4308	" " "	
4324	" " 10th "	" 4309	" 24 "	"
4325	Tortricid larvae from osage orange	Decatur, Ill	" " "	"
4326	Empretia stimulea larvae	Upper Alton, "	" 26 "	"
4327	Diabrotica longicornis adults	Urbana, "	" 27 "	"
4328	Sipha flava, 16th generation	Exp. 4320	Oct. 2 "	"

REMARKS.	Accession Numbers.
	4227

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
4329	Sipha flava, 7th generation	Exp. 4290	Oct 4 '07	Dillon
4330	Pterambycid larvae boring in Cornus sanguinea	Chicago, Ill.	" 7 "	"
4331	" " " " Viburnum	" "	" " "	"
4332	Pimpla inquisitor cocoons on tussock moth cocoons,	" "	Sep. 24 "	"
4333	Seirodonta bilineata larvae in pupal cavities in ground	Manchester "	Oct. 21 "	"
4334	Lepidopterous larvae in pupal cavity in ground	" "	" " "	"
4335	Noctuid larva feeding on carnation flower	Chicago "	" 28 "	"
4336	Tortricid larvae on chrysanthemum leaves	" "	" " "	"
4337	Lepidopterous " " " buds	" "	" " "	"
4338	" larva on rose bud in greenhouse	" "	" 30 "	"
4339	Noctuid " " " " " "	" "	" " "	"
4340	Coleopterous larvae in "manna" from a "biscuit" co	" "	Nov. 8 "	"
4341	Cutworm feeding on Asparagus plumosa in greenhouse	" "	Dec 3 "	Davis
4342	Heliothrips femoralis on calla lily in greenhouse	Urbana "	Nov. 23 "	"
4343	Tortricid leaf-rollers on rose in greenhouse	Bloomington "	Jan. 24, 1908	"
4344	Euthrips nervosus on carnation	Chicago "	Dec. 17, 1907	"
4345	Thrips tabaci " "	" "	" " "	"
4346	Heliothrips femoralis on "	Urbana "	Jan. 25, 1908	"
4347	Dipterous pupa in body of adult Lach. implicita from earth in cornfield	Leroy "	Jul. 5, 1907	Jauquay
4348	Corn seed treated with oil of lemon, 10%, to test effect on development	Urbana "	Mar 13, 1908	Girault
4349	Thrips [illegible] ana young on rose plants	Exp. 4343	" 25 "	Davis
4350	Borers in elm	Fairfield, Ill.	———	Dillon
4351	Lepidopterous larvae on elm	Chicago "	1907	"
4352	Larvae from plow furrow in meadow	Urbana "	Mar. 31, 1908	Girault
4353	Corn seed treated with kerosene to test effect on development.	" "	Apr. 6 "	"
4354	Tachinid parasite of adult Lachnostena	Hendrick "	" 8 "	"
4355	Ceresa eggs in apple twigs	Liberty "	" 10 "	"
4356	Syrphid puparia on apple twigs	Centralia "	" 15 "	"
4357	Bud moth, apple	" "	" " "	"
4358	Corn seed treated with oil of lemon, 10%, to test effect on development	Urbana "	" 14 "	"
4359	Peridroma marg. saucia larvae on asparagus in greenhouse	Chicago "	" 17 "	"
4360	" " " " " sweet pea " "	" "	" " "	"
4361	Tachinid puparia found in abdominal cavity of Lachnostena	Griggsville "	" 10 "	"
4362	Geometrid eggs on maple twig	" "	" 9 "	"
4363	Ailus cristatus(?) eggs on osage orange	Winchester "	" 7 "	"
4364	Hemerocampa leucostigma, egg mass, diseased pupae, on [various trees	Urbana(?) "	Nov. 1907	"
4365	Callosamia promethea cocoons on unknown plant.	——— "	March, 1908	"
4366	Sipha pupa found in box of old material	——— "	Oct. 13, 1906	"
4367	Stagmomantis carolina egg-mass.	Norris City "	Mar. 1908	"

REMARKS.	Accession Numbers.
Washington Park	
Lincoln "	
	37458.
	37455.
	38507.
	37460, 38508.
	37463,
	37462.
	38516–38518.
	37466, 38519
	37467
Planted Mar 11 '08.	
	37533-37535
	37498, 37522, 38056
	37480
Planted Mar. 24, '08	
Cupidinum found in body of adult, 2 in below ground. Field had been in pasture at least 6 yrs.	
From Edward Lutener	39120
L.M. Smith	37501, 37543, 40295
" "	
Time series	
Rec'd Apr. 18.	
" " "	37517
From "field no. 5"	37492
	37526
	42386
	37511-37513
	37539, 37540
	37510

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
4368	Chionaspis furfura, hibernating scales on apple	Urbana, Ill	Mar. 19 '08	Girault
4369	Thyridopteryx ephemeraeformis, cases, on various trees	Norris City "	March, "	"
4370	Tortricid bud worms on apple	Centralia "	Apr. 17 "	"
4371	Nymphalid caterpillar " "	Ozark "	" 21 "	"
4372	Corn seed treated with oil of lemon, 15%, to test effect on development	Urbana "	" " "	"
4373	Tachinid puparium found in abdominal cavity of Lachnostema adult	Galesburg "	" 20 "	"
4374	" " + adult " " " " " "	" "	" 21 "	"
4375	Elaterid larva predaceous on adult Lachnostema	" "	" 17 "	"
4376	Lepidosaphes ulmi, hibernating scales on poplar	Urbana "	Mar. 17 "	"
4377	Hemerocampa leucostigma larvae on apple	Anna "	Apr. " "	"
4378	Lemoniid chrysalid on a dead leaf	Dubois "	" 27 "	"
4379	Solitary wasp Vespoidea, cells	" "	" " "	"
4380	Lepidopterous larvae under bark of apple.	Carbondale "	" " "	"
4381	Pentatomid eggs on apple foliage	" "	" " "	"
4382	Coccinellid pupae " " "	" "	" " "	"
4383	Conotrachelus nenuphar larvae on apple	" "	" " "	"
4384	Tortricid leaf-tyer on apple	" "	" " "	"
4385	Peridroma marg. saucia larvae on Asparagus plumosus, greenhouse	Chicago "	" " "	"
4386	Lepidopterous leaf-tyer on rose, in greenhouse	Morton Grove "	" " "	"
4387	Conotrachelus nenuphar larvae on sour cherry.	Carbondale "	" 30 "	"
4388	Lepidopterous larvae on apple	" "	" " "	"
4389	Arctiid larva on rose in greenhouse	Chicago "	" " "	"
4390	Lepidopterous larvae on fern in greenhouse	" "	May 1 "	"
4391	Mineola indiginella larvae on apple	Anna "	———	"
4392	Katydid eggs on apple	Urbana "	May 4 '08	"
4393	Corn seed treated with miscible oils, to test effect on development	" "	Apr. 28 "	"
4394	Caterpillar on fern in greenhouse	Chicago "	May 2 "	"
4395	Cecidomyiid galls on willow	South Holland "	Apr. 29 "	"
4396	Phorbia larva on onion	Chicago "	May 12 "	"
4397	Peridroma marg. saucia larvae on asparagus, greenhouse	" "	Apr. 30 "	"
4398	Coleopt. larvae boring in poplar trees	" "	May 6 "	"
4399	Lepidopterous larvae on apple	" "	" 12 "	"
4400	Misc. pupae on apple foliage	Carbondale "	" 9. "	"
4401	Phorbia larva on onion	Chicago "	" 10 "	"
4402	Lepidopterous pupae on foliage of apple nursery stock in insectary.	Urbana "	" 19 "	"
4403	Wireworms placed with corn seed, part treated with oil of lemon, 10%	" "	" 28 "	"
4404	Lina larvae	Normal "	" 29 "	"
4405	Lepidopterous egg-mass on apple leaves	———	———	"
4406	Aleyrodes vaporariorum on geranium in greenhouse	Urbana Ill.	May 26 '08	"

REMARKS.	Accession Numbers.
University grounds.	37481, 37488, 37493
	40127, [illegible], 45614,
	37508, 45611,
From L. M. Smith	37509
Planted Apr. 8, 4 P.M.	
	37494
	37495
	37496
	37500
	37507
	37516
	37538
	37521, 37527, 37528
	39295, 39864-39866, [illegible]
1620, 30%, Scalecide & Target Brand. "1% V = one"	
	37519
	37518, 37529, 37548, 37549
	37532
	37520
	37530
	37583, 37584
	37544, 37545
	39145

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
4407	Chionaspis americana on elm	Chicago, Ill.	May 13 '08	Granett
4408	" " " "	" "	" " "	"
4409	Cerambycid cocoons on a forest tree	Bloomington "	Apr. 21 "	"
4410	Sawfly larvae on rose	Urbana "	Jun. 3 "	"
4411	Orchestes canus, pupal nests on apple	Carbondale "	" 4 "	"
4412	Lepidopterous larva on rose	Urbana "	" 3 "	"
4413	" " " apple	Carbondale "	" 4 "	"
4414	Eulecanium nigrofasciatum	" "	" " "	"
4415	Conotrachelus nenuphar larvae in peach from tree	Urbana "	" 6 "	"
4416	" " " ground	" "	" " "	"
4417	" " " cherries " "	" "	" " "	"
4418	" " " " " " Trees	" "	" " "	"
4419	" " " " apples " ground	" "	" " "	"
4420	Geometrid larva on rose	" "	" " "	"
4421	Podisus maculiventris, pair found in copula	" "		"
4422	Tortricid larvae on Quercus	South Chicago "	May 20 "	"
4423	Lachnostes canus mines on apple	Carbondale "	" 18 "	"
4424	[illegible] from apple	Ozark "	Jun. 5 "	"
4425	Peach twig borer	Carbondale "	" 4 "	"
4426	Lycaenid larvae on hickory	Aurora "	" 3 "	"
4427	Pyrgota undata on Lachnostema hirticula	Galesburg "	" 4 "	"
4428	Rhynchites bicolor adults on rose	Urbana "	" 6 "	"
4429	Peridroma marg. saucia larvae on lettuce	Chicago "	May 14 "	"
4430	Hymenopterous cocoons found on onion	Urbana "	Jun 12 "	"
4431	Lachnostema hirticula adults, to test choice of food	" "	" 13 "	"
4432	" " " " " " " "	" "	" " "	"
4433	Tenthredinid larvae on raspberry	"	" 16 "	Zetek
4434	Lepidopterous chrysalis on leaf of raspberry	" "	" " "	"
4435	Conotrachelus nenuphar on cherry	" "	" " "	"
4436	Hymenopterous cocoons found on Taraxacum	" "	" " "	"
4437	Dipterous pupae in body of Lachnostema	[illegible] "	" 14 "	"
4438	Mineola indiginella larvae on apple	Seymour "	" 15 "	"
4439	Cochlidiid caterpillar on apple	Carbondale "	" " "	Granett
4440	Eulecanium nigrofasciatum on peach	" "	" " "	"
4441	Aspidiotus perniciosus on plum	" "	" " "	"
4442	Hemipterous eggs on European Linden	Urbana "	" 16 "	"
4443	Lepidopterous larvae on sumach	" "	" 18 "	Zetek
[illegible]	pupa "		" " "	"
[illegible]	Acronycta oblinita larvae on Taraxacum	" "	" " "	"

REMARKS.	Accession Numbers.
	37514
	37523
	43434,
	41525
	37595
	37525, 37536, 37537, 37550, 37551,
	39102, 39170
	37563, 37576, 39279
	39168
	37570, 39169, 41
	37568, 37569, 37574, 37575, 37578, 37579, 39167
	37562, 37581, 37598
	37553, 37566, 37599, 39131, 4019
	37524, 37560
	37515, 37531
	37547, 37554, 37555, 37572, 37577
	37556
	37541, 37542
	39107
	37582
	4
	37564, 37586, 37587
Combined with Exp. 4413	
	37546, 37552, 37559, 37580
	37557, 37558
	37571
	39298
Possibly same species as Exp. 4443	37565
	37589, 37594

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
4446	Peridroma marg. saucia larvae	Exp. 4359	———	Zetek
4447	Lachnosterna gibbosa adults to test choice of food	Urbana, Ill.	Jun 19 '08	Girault
4448	" hirticula adults, ♂♀, to test quantity of food eaten	" "	" " "	"
4449	" implicita infested with Pyrgota undata	" "	Apr. 14 "	"
4450	Ceratomia catalpae, larvae	Parker "	Jun. 20 "	Zetek
4451	Termes sp. on Quercus	Urbana "	" 22 "	Girault
4452	Corn seed treated with oil of lemon, 10%, in cylinder, four hours.	" "	" " "	"
4453	Cyclocephala immaculata, adults captured at lights	" "	" " "	"
4454	Conotrachelus nenuphar larvae on peach	Metropolis "	" 23 "	Zetek
4455	Lepidopterous larvae boring into seed pods of honey locust	" "	" 22 "	Girault
4456	Lina scripta adults	Normal "	23 "	"
4457	Lepidopterous larvae + pupa from cabbage	Niles Center "	" 25 "	Zetek
4458	Cutworms on cabbage	" " "	" " "	"
4459	Small lepidopterous larvae on cabbage		" "	"
4460	Pupae on cabbage	" " "	" " "	"
4461	Lepidopterous larvae on parsnip	Chicago "	" 24 "	"
4462	Young Hemiptera, instar I, from eggs on rose	Urbana "	" 21 "	"
4463	Cecidomyiid larvae + pupa on black locust	Metropolis "	" 22 "	"
4464	Odontota dorsalis Thunb. on black locust.	" "	" " "	"
4465	Pulvinaria innumerabilis on maple	Marion "	" 26 "	Girault
4466	Pentatomid eggs on grape	Urbana "	" 27 "	Zetek
4467	Cutworms on cauliflower	Rogers Park "	" 29 "	"
4468	Mamestra picta larva with eggs of parasite on anterior region of body	" " "	" " "	"
4469	Lepidopterous larva on cauliflower	"	" " "	"
4470	Cutworms on lettuce, bearing eggs of parasites	Chicago "	" " "	"
4471	Ceratomia catalpae larvae	Parker City "	" 30 "	"
4472	with Apanteles congregatus	" " "	" " "	"
4473	Papilio asterias? larvae on wild parsnip	" " "	" " "	"
4474	Mamestra picta on corn	Harmon "	" " "	"
4475	Lepidopterous eggs on oak	Urbana "	Jul. 2 "	"
4476	Cassida larvae on sweet potato	Anna "	" 1 "	"
4477	Aspidiotus uvae on cultivated grape	" "	" " "	"
4478	Insects infesting cultivated grape.	" "	" " "	"
4479	Muscid eggs, test of effect of direct sunlight on development	Urbana "	Aug. 5 "	Girault
4480	Papilio cresphontes larvae on orange	———	Jul. 3 '08	Zetek
4481	Lachnosterna eggs deposited in stock cage.	Urbana, Ill.	" " "	"
4482	Lepidopterous larvae on oak	" "	" " "	"
4483	Pemphigus fraxinifolii on green ash	" "	" 5 "	Girault
4484	Cerambycid. larvae in hickory twigs	Herrin, "	" 6 "	Zetek

REMARKS.	Accession Numbers.
	39149, 39291
	41072
	39184, 39185
.6.	37561, 37590, 37593, 40285, 44226, 44227,
	39271, 39272, 40228, 40227, [illegible],
Supposedly parents of generation II.	
Apparently young stages of species in Exp. 4457	39103
	39103, 41113
	37567
	37573
	40176
	39136
	39276, 39296
	39323, 39324
	39351
	39104, 39174, 40194
	37591, 37592, 39119
	39317, 39318
	39367, 39368, 39436, 39532, 39574.
	39100
	37595
Put no 223	39942

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
[illegible]	Aspidiotus perniciosus on fruit of apple	Carbondale Ill.	Jul 3 '08	Girault
1486	Cratotechus pupae on ash leaves	Urbana "	" 5 "	"
1487	Conotrachelus nenuphar larvae on peach	Cobden "	" 4 "	Zetek
1488	Lecanium on peach twigs	" "	" " "	"
1489	Lepidopterous larva on elm	Herrin "	" 2 "	"
1490	Parasitized Scolytid larvae in hickory twigs	" "	" " "	"
1491	Lepidopterous pupa taken on black locust	" "	" " "	"
1492				
1493	Lepidopterous pupae on willow	Herrin, Ill	Jul. 2 '08	Zetek
1494	Macrosiphum liriodendri, parasitized individuals	Urbana "	" 6 "	Girault
[illegible]	Hydroecia nitela larva on pop-corn	Carbondale "	" "	Zetek
1496	Lepidopterous larva on oak	Urbana "	" " "	"
[illegible]	Cutworms on cornstalk	———	" 7 "	"
1498	Lepidopterous larvae on potato	Chicago, Ill.	" 8 "	"
1499	Galls on pin oak	Marion "	" " "	"
[illegible]	Larva on wood of Spanish oak	" "	" " "	"
[illegible]	Borers in hickory nuts	Herrin "	" 6 "	"
[illegible]	Chrysomelone larva on Virginia creeper	Urbana "	" 9 "	Girault
1503	Notodontid larva on elm	Marion "	" 8 "	"
[illegible]	Odontota sp. on locust.	" "	" " "	"
[illegible]	Lepidopterous larva on fern	Onarga "	" 7 "	Zetek
1506	Euvanessa antiopa larva on willow, probably parasitized	Chicago "	" 9 "	"
[illegible]	Lepidoptera on willow	"	" "	"
1508	" " " " probably parasitized	" "	" " "	"
[illegible]	Lepidopterous chrysalis on willow	"	"	"
[illegible]	Basilarchia larva on willow	" "	" " "	"
[illegible]	Euvanessa antiopa larvae on willow	" "	" " "	"
[illegible]	Lepidopterous larvae on pin-oak	Herrin "	" " "	"
[illegible]	Archips adults on apple	Exp. 4384	" 11 "	Girault
[illegible]	Melalopha inclusa larvae + pupae on Carolina poplar	Dongola, Ill	" 10 "	Zetek
[illegible]	Cecidia larvae + pupae on sweet potato	" "	" "	"
[illegible]	Polychrosis viteana larvae on grape	" "	" " "	"
[illegible]	Murgantia histrionica egg-masses on cabbage	Carbondale "	" 13 "	Girault
[illegible]	Lepidopterous pupae on rose leaves	Normal "	" 9 "	Zetek
[illegible]	Aphis brassicae on cabbage	Anna "	" " "	Girault
1520	Macrosiphum pisi, parasitized, on pea	Mortonbrove "	" 14 "	"
1521	Rhopalosiphum dianthi, " " cabbage	Chicago "	" " "	"
[illegible]	Pontia rapae larvae with Apantales cocoons, on cabbage	" "	" " "	"
1523	Macrosiphum pisi, parasitized, on pea	" "	" " "	"

REMARKS.	Accession Numbers.
From L. M. Smith	
J. J. Davis	37588
	41226
	39110, 39115
Lot no. 213	39228
	44143, 43132, 44029, 44129, 44136, 44140, 44149, 44153, 44156,
Lot no. 22	[illegible]
	[illegible]
	[illegible]
	39109, 39126
	37597
	39150
	39229, 39316
	39101, 41041, 43786,
	[illegible]
	[illegible]
	[illegible]
	39227
	39105, 39106, 39161,
	39147,
	39125,
	39138,
	39164,
	39230,
	37596, 39148, 39183
	39163
	39235, 40224,
	39117, 39142
	39111-39[illegible]
	39154, 39155, 39347, 39348
	39129, 39171-39173
	39130
	39128, 39274

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
4524	Aphis, parasitized, on Viburnum	Morton Park, Ill	Jul, 10 '08	Girault
4525	Tolype velleda larva on black-oak leaves	Herrin, "	" 11 "	Zetek
[illegible]6	Mamestra picta larva, with eggs of parasites, on cabbage	Chicago "	" 13 "	"
[illegible]7	Diabrotica longicornis larvae	Exp. 4845	Jun 11, 1909	C.E. Sanborn
" 8	Leptinotarsa 10-lineata eggs	Urbana, Ill.	1908	Girault & Zetek
4529	" " adults & larvae, with egg of parasite	Chicago, "	Jul. 15 '08	Zetek
4530	Macrosiphum solanifolii, parasitized, on potato	" "	" " "	"
" 31	Aphids, parasitized, on Viburnum	" "	" " "	"
[illegible]32	Cochlidiid larvae on apple, with Apanteloid cocoons on backs	Carbondale "	" " "	"
[illegible]33	Sphingid larva on potato	Urbana "	" 14 "	"
[illegible]34	Leptinotarsa 10-lineata larva (IV), with eggs of parasite on thorax	Champaign "	" 15 "	"
4535	Noctuid eggs, parasitized, on Hicoria alba	Urbana "	" 16 "	Girault
" 36	Lepidopterous larvae & pupae in grape leaves	Pulaski "	" " "	Zetek
[illegible]	Galls on pin oak	" "	" " "	"
[illegible]	Urbana larvae on apple	Urbana "	" 18 "	"
[illegible]7	Jorlicia larvae on grape, + parasites	Carbondale "	" " "	Girault
4540	Oncideres? larvae in pecan twigs	Cairo "	" 17 "	"
4541	Lepidopterous pupa from alfalfa field	" "	" " "	"
[illegible]42	Saturniid larva on shingle oak.	Herrin "	" 13 "	Zetek
4543	Borers in stem of lyme grass	Bureau "	" 16 "	"
[illegible]44	Lepidopterous pupa on leaf of burr oak	Herrin "	" 15 "	"
4545	Larva on elm leaf	" "	" " "	"
[illegible]6	Black oak limbs probably infested with borers	" "	" 10 "	"
4547	Elaphidion subpubescens larva boring in twig of shingle oak	" "	" 11 "	"
[illegible]8	Rhynchophorid pupae in elm twigs	Chicago "	May 6 "	Girault
[illegible]9	Archips larvae, leaf-rollers on rose	Edwardsville "	Jul. 18 "	Zetek
4550	Tischeria malifoliella mines on apple	Carbondale "	" 15-20 "	"
[illegible]	Scolytid larvae in bark from log	Herrin "	" 17 "	"
4552	Diabrotica longicornis & 12-punctata adults, for eggs	Buda "	" 20	"
1553	Isosoma in wheat straw	West Union "	" " "	Girault
[illegible]	"	Rugby, Ind.	" " "	"
1555	Aspidiotus forbesi on cherry	Kerrick, Ill.	" 21 "	"
[illegible]	Coccidae, parasitized, on foliage of Tecoma radicans	Urbana "	" 23 "	"
1557	Lepidopterous larvae on cultivated fern	Onarga "	" 22 "	Zetek
[illegible]8	Arctiid larvae on canna	" "	" " "	"
[illegible]	Mamestra picta larva with eggs of parasites, on cabbage	Niles Center "	" 23 "	"
[illegible]	Aphis [illegible]icis on poppy	Chicago "	" 25 "	Girault
4561	Tachina puparia found in cells of Leptinotarsa 10-lineata	Urbana "	" 28 "	"
4562	Musca domestica eggs deposited on horse dung	" "	" 29 "	Zetek

REMARKS.	Accession Numbers.
	39114, 39127
Filed no 239	
	39219
	40220, 40221, 39160, 39447-39450, 39452, 39453, 39472-39480
	40221,
	39139
	39122-39124, 39143
	39140
	39121
	39166, 39223, 39224, 39345
	40294.
	39221, 39222, 39225, 40[illegible]
	4[illegible]
	39220
	4[illegible]
	4[illegible]
	39156
	39354
	4[illegible], 43768,
	39132, 39133
a-f	39134, 39135, 39137, 39144, 39226, 39299 39301-39304.
	39157-39159
	39273
W. J. Caffey, coll.	
	39146, 39162, 39349
	39151, 39152, 39165
	39313
	40178
	40179
Zetek	39236
211 N. Market St.	39277, 39280, 39310, 39311

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENOR.
4563	Horse manure from manure box, for diptera	Urbana, Ill.	Jul. 29, '08	Zetek
4564	Dipterous eggs deposited on fresh horse dung in stable.	" "	" 30 "	"
4565	Misc. dipterous larvae in horse dung	" "	" "	"
4566	Stable manure treated with chloride of lime & air-slaked lime, to test effect [on maggots]	" "	" 31 "	Girault
4567	Aspidiotus juglans-regiae on willow	Chicago "	" " "	Girault & Zetek
4568	Stable manure treated with chloride of lime & air-slaked lime, to test effect on [maggots]	Urbana "	Aug. 4 "	"
4569	Diabrotica larvae on corn-roots	Cairo "	Jul. 18 "	"
4570	Dipterous maggots in decomposed egg	Urbana "	" 22 "	Girault
4571	Muscid eggs on horse-dung	" "	Aug. 5 "	"
4572	Dipterous pupparia collected in manure box	" "	" " "	Zetek
4573	Muscid eggs on horse-dung	" "	" 6 "	"
4574	" " in " " tests of exposure to sun & air	" "	" 7 "	Girault
4575	" " test of effect of chloride of lime on surface of manure	" "	" " "	"
4576	Datana larvae on walnut	" "	" " "	Zetek
4577	Datana ministra larvae on walnut	" "	" " "	"
4578	Muscid eggs, test of exposure to direct sunlight	" "	" " "	Girault
4579	Cerambycid larvae boring in hickory trunk	Simpson "	Jul 31 "	Sanders
4580	Larva boring in trunk of white oak	Creal Springs "	" 28 "	"
4581	Hickory twig-girdler on hickory twigs	Simpson "	" 31 "	"
4582	Larva boring in hickory twigs	" "	" " "	"
4583	Borer in white oak	"	" 30 "	"
4584	Scolytid larva in hickory bark	Marion "	" 24 "	"
4585	" " " " twig	Simpson "	" 31 "	"
4586	Oncideres cingulatus, larva, pupa & parasite	Creal Springs "	" 29 "	"
4587	Larva boring in sassafras twigs	" " "	" " "	"
4588	" " " trunk of recently dead black oak	Marion "	" 25 "	"
4589	Oncideres cingulatus, larva & pupa in hickory twigs	Creal Springs "	" 29 "	"
4590	Larva with parasite, boring in twig of oak.	" " "	" " "	"
4591	Hickory twig-girdler in twigs of water elm	Coreville "	Aug 1 "	"
4592	Aspidiotus, parasitized, on oak	Marion "	Jul. 25 "	"
4593	Cocoon attached to apple leaf	Carbondale "	" 28 "	"
4594	Larva boring in black oak	Creal Springs "	" " "	"
4595	Aphis maidiradicis on corn	Tampico "	Jun. 10, 1909	C.E. Sanborn
4596	Larva boring in black oak	Grantsburg Ill.	Aug 5 '08	Sanders
4597	Scolytids & larva boring in hickory twigs	Simpson "	" " "	"
4598	Oak twig-girdler	Creal Springs "	" 3 "	"
4599	Pupa	Grantsburg "	" 5 "	"
4600	"	Simpson "	" 5 "	"
4601	Misc. dipterous larvae in stable manure	Urbana "	Jul 21 "	Girault

REMARKS.	Accession Numbers.
73 W. Elm St, Mr. F. E. Lindsley	39568
2 of J. stable	39310
21 N. Market St.	39281
Dis, recd Au. 3	39284, 39290, 39294, 39300, 39312, 39340, 39360, 39369, 39392, 39573, 39589, 40126
1 of J. stables	39298, 39315, 39379, 39391, 39437-39443, 39464, 39465, 39496, 39511, 39529, 41518
	39236, 39239
	39444
2 test of exposure 5 cm. 104 E. High St.	39365, 39366, 39370, 39405, 39466, 39501, 39505, 39562, 39593, 39804, 39835
	40201
ab. & c.	39407, 39463
	39469, 39498, 39499
	39433, 39434
	39592
	41069
	41420, 42356
	40168, 41360, 41557, 42437, 43130, 40154-40157, 41364, 41[illegible]
	40154-40157
	39321, 39322, 39341, 39342, 40132
	41460, 41558, 42245, 43941, 44120, 44135, 44142, 44150, 39319, 39395, 40130
	40133, 40134
	40295, 41295
	41471
	40136, 41061, 41067, 41070
	39306, 39307
	42487
	41570, 42287, 42488
	41421
Larva feeds on leaves of sweet gum	42147
" " a larva boring in black oak	39535
35 W. Green St.	39178

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
4602	Mice dipterous larvae in stable manure	Urbana, Ill.	Jn. 2. 21 '08	Girault
4603	" " " " "	"	" " "	"
4604	" " " "	"	"	"
4605	" " " "	"	" " "	"
4606	" " " " "	"	" " "	"
4607	" " " " "	"	" " "	"
4608	" " " "	"	" " "	"
4609	" " " " "	"	" " "	"
4610	" " " " "	"	" 22 "	"
4611	" " " " "	"	" " "	"
4612	" " " " "	"	" " "	"
4613	" " " " "	"	" " "	"
4614	" " " " "	"	" " "	"
4615	" " " " "	"	" " "	"
4616	" " " "	"	" " "	"
4617	" " " " "	"	" " "	"
4618	" " " " "	"	" " "	"
4619	" " " " "	"	" " "	"
4620	" " " "	"	" " "	"
4621	" " " "	"	" 23 "	"
4622	" " " "	"	" " "	"
4623	" " " " "	"	" " "	"
4624	" " " " "	"	" " "	"
4625	" " " "	"	" " "	"
4626	" " " " "	"	" " "	"
4627	" " " " "	"	" " "	"
4628	" " " " "	"	" " "	"
4629	" " " "	"	" " "	"
4630	" " " " "	"	" " "	"
4631	" " " " "	"	" " "	"
4632	" " " "	"	" " "	"
4633	" " " " "	"	" " "	"
4634	" " " " "	"	" " "	"
4635	" " " "	"	" " "	"
4636	" " " " "	"	" " "	"
4637	" " " "	"	" " "	"
4638	" " " " "	"	" 24 "	"
4639	" " " " "	"	" " "	"
4640	" " " " "	"	" 25 "	"

	REMARKS.	Accession Numbers.
76	West Green St.	[illegible]
10	" Elm "	39189
13	" " "	39333
35	" Green "	39190
37	East Elm "	39191
25	West Green "	39181, 39192
13	" Elm "	39176, 39193
18	" Green "	39194
14	" California St.	39145, 39372
03	" Illinois "	39186
01	" " "	39175, 39196
04	" California "	39197
17	" Illinois "	
05	" " "	39198
11	" " "	
12	" California "	391 0
02	" " "	39199
02	East " "	39179, 39200
07	West Illinois "	39201, 3937[illegible]
06	" High "	
07	" Oregon "	39202, 39231
05	" " "	39203, 39232
01	" " "	39187, 39205, 39233
07	" " "	39234
12	East High "	39269, 39335
16	West " "	39178, 39204, 39268, 39334
17	East " "	182, 39267
28	West Oregon "	[illegible]
63	" " "	[illegible]
65	" " "	[illegible]
14	East High "	39209, 39264
102	West Springfield ave.	
06	" Main St.	[illegible]
07	" " "	[illegible]
01	" Springfield ave.	39210, 39261, 39332
01	" Main St.	39213, 39260
210	" Springfield ave.	39214, 39215, 39259
03	" Main St.	39258
05	" Clark "	39216, 39257

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
4641	Zinc dispersions lawns in stable manure	Urbana, Ill.	Jul. 25 '08	Zetek
4642	" " " "	" "	" "	"
4643	" " " "	" "	" "	"
4644	" " " "	" "	" "	"
4645	" " " "	" "	" "	"
4646	" " " "	" "	" 27 "	"
4647	" " " "	" "	" "	"
4648	" " " "	" "	" "	"
4649	" " " "	" "	" "	"
4650	" " " "	" "	" "	"
4651	" " " "	" "	" "	"
4652	" " " "	" "	" "	"
4653	" " " "	" "	" "	"
4654	" " " "	" "	" "	"
4655	" " " "	" "	" "	"
4656	" " " "	" "	" 28 "	"
4657	" " " "	" "	" "	"
4658	" " " "	" "	" "	"
4659	" " " "	" "	" "	"
4660	" " " "	" "	" "	"
4661	" " " "	" "	" "	"
4662	" " " "	" "	" "	"
4663	" " " "	" "	" 29 "	"
4664	" " " "	" "	" "	"
4665	" " " "	" "	" "	"
4666	" " " "	" "	" "	"
4667	" " " "	" "	" "	"
4668	" " " "	" "	" "	"
4669	" " " "	" "	" "	"
4670	" " " "	" "	" "	"
4671	" " " "	" "	" 30 "	"
4672	" " " "	" "	" "	"
4673	" " " "	" "	" "	"
4674	" " " "	" "	" "	"
4675	" " " "	" "	" "	"
4676	" " " "	" "	" "	"
4677	" " " "	" "	" "	"
4678	" " " "	" "	" 31 "	Girault
4679	" " " "	" "	" "	"

REMARKS.	Accession Numbers.
12 W. Clark St.	34256
8 " " "	34255
2 " " "	
7 " " "	34254
8 " " "	
Stoughton St.	
11 University Ave.	34252
" " "	34250
" " "	
" " "	34251
" " "	34217, 34249
" " "	
" " "	
39 " Church St.	34124
" " University Ave.	34247
70 S. Lincoln Ave.	34246, 3413, 34
30 Nick St	34245
57 S. Pine St.	34253
28 S. Lincoln Ave.	
21 Keeler St.	34244
30 S. Pine St.	34243
50 " " "	34242
2 N. Market St.	
60 W. Washington St.	34215, 34241
90 S. Market St.	
20 W. Washington St.	34212
50 S. Bowdoin Ave	
20 Otis St.	34211
Hobbins', N. Bowdoin Ave.	
Peterson's, N. Market St.	
10 Somers St.	
806 E. Main St.	34385, 34386
508 S. Rose "	
504 E. Green "	
206 " " "	
107 " " "	
Durkin St. R.C. Everett	
12 N. West St.	
113 " Lynn "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
46[illegible]	Misc. Nitrous Cavae in stable manure	Urbana, Ill.	Jul. 31, '08	Giramitzek
[illegible]	" " " " "	" "	Aug. 1 "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" 3 "	" "
[illegible]	" " " " "	" "	" " "	" "
4692	" " " " "	" "	" " "	" "
4693	" " " " "	" "	" " "	" "
4694	" " " " "	" "	" " "	" "
4695	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "
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[illegible]	" " " " "	" "	" " "	" "
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[illegible]	" " " " "	" "	" 6 "	" "
[illegible]	" " " " "	" "	" " "	" "
[illegible]	" " " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
205 E. Water St.	
704 W. Elm "	39282
309 " " "	39283
303 " "	39285
711 " " "	39286
510 " " "	39287
207 E. " "	392[illegible]
713 W. " "	39289, 39326
[illegible]6 " " "	39241, 39327
408 " " "	39292, 39328
204 " California St.	39237, 39234
305 " Illinois St.	39237 - 39331
105 " Green "	39237
205 " Illinois "	39237
107 " "	39237
206 " Green "	39237
203 " Illinois "	39237
701 " "	39237
704 " California St.	39240
603 " Oregon St.	39240
811 " "	39240
711 " California St.	39240
605 " Oregon St.	39240
312 " California St.	39240
703 " Oregon St.	39240
208 " "	39240
407 " " "	39240
Green & Grove Sts	39270
811 Springfield Ave.	39270
902 " "	39270
106 W. High St.	39270
811 Springfield Ave.	39270
107 E. Green St.	39270
402 " High "	39270
210 Springfield Ave.	39270
104 E. High St.	39270
608 W. Main "	39275
903 " " "	39275
901 " " "	39275

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
4120	Misc. dipterous larvæ in stable manure	Urbana, Ill.	Aug. 6 '08	Girault & Zetek
4121	" " " " "	" "	" " "	" "
4122	" " " " "	" "	" " "	" "
4123	" " " " "	" "	" " "	" "
4124	" " " " "	" "	" " "	" "
4125	" " " " "	" "	" " "	" "
4126	" " " " "	" "	" " "	" "
4127	" " " " "	" "	" 7 "	" "
4128	" " " " "	" "	" " "	" "
4129	" " " " "	" "	" " "	" "
4130	" " " " "	" "	" " "	" "
4131	" " " " "	" "	" " "	" "
4132	" " " " "	" "	" " "	" "
4133	" " " " "	" "	" " "	" "
4134	" " " " "	" "	" " "	" "
4135	" " " " "	" "	" " "	" "
4136	" " " " "	" "	" " "	" "
4137	" " " " "	" "	" " "	" "
4138	" " " " "	" "	" 10 "	" "
4139	" " " " "	" "	" " "	" "
4140	" " " " "	" "	" " "	" "
4141	" " " " "	" "	" " "	" "
4142	" " " " "	" "	" " "	" "
4143	" " " " "	" "	" " "	" "
4144	" " " " "	" "	" 11 "	" "
4145	" " " " "	" "	" " "	" "
4146	" " " " "	" "	" " "	" "
4147	" " " " "	" "	" " "	" "
4148	" " " " "	" "	" " "	" "
4149	" " " " "	" "	" " "	" "
4150	" " " " "	" "	" " "	" "
4151	" " " " "	" "	" " "	" "
4152	" " " " "	" "	" " "	" "
4153	" " " " "	" "	" " "	" "
4154	" " " " "	" "	" " "	" "
4155	" " puparia	" "	" " "	" "
4156	" " larvæ	" "	" 12 "	" "
4157	" " " " "	" "	" " "	" "
4158	" " " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
708 W. Main St.	39275
103 " " "	39275
102 " " "	39275
313 " " "	39275
105 " " "	39275
101 " " "	39275
105 " Clark "	39275
709 " Main "	39275
716 " Clark "	3927[illegible]
501 University Ave.	39278
105 W. Clark St.	3927[illegible]
702 " " "	39278
509 University Ave.	39278
704 W. Clark St.	3927[illegible]
005 University Ave.	39278
706 " "	39278
711 " "	39278
001 " "	39278
302 Park St.	39278
102 W. Clark St.	39278
205 N. Coler "	39305
Dobbins, N. Goodwin Ave	39305
301 N. Race St.	39305
401 Berlin St.	39305
506 S. Goodwin Ave.	39305
307 " Vine St.	39309
211 N. Market St.	39309
113 " Lynn St.	39309
710 S. Race "	39309
608 " Vine "	39309
504 " " "	39309
203 Ater St.	39309
204 S. Market St.	39309
12 N. West "	39309
" " " "	3930[illegible]
" " " "	3930[illegible]
207 E. Elm "	39314
711 W. " "	3931[illegible]
404 " " "	39314

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
4758	Misc. dipterous larvae in stable manure	Urbana, Ill.	Aug 12 '08	Girault & Zeik
4759	" " " " "	" "	" " "	" "
4760	" " " " "	" "	" " "	" "
4761	" " " " "	" "	" " "	" "
4762	" " " " "	" "	" " "	" "
4763	" " " " "	" "	" 13 "	" "
4764	" " " " "	" "	" " "	" "
4765	" " " " "	" "	" " "	" "
4766	" " larvae & puparia " "	" "	" " "	" "
4767	" " larvae " "	" "	" " "	" "
4768	" " " " "	" "	" " "	" "
4769	" " " " "	" "	" " "	" "
4770	" " " " "	" "	" " "	" "
4771	" " " " "	" "	" " "	" "
4772	" " " " "	" "	" " "	" "
4773	" " " " "	" "	" " "	" "
4774	" " " " "	" "	" 14 "	" "
4775	" " " " "	" "	" " "	" "
4776	" " " " "	" "	" " "	" "
4777	" " " " "	" "	" " "	" "

REMARKS.	Accession Numbers.
11 W Elm St.	34314
03 " "	34314
09 " " "	39314
03 " " "	34314
09 E. " "	34325
05 W. High "	39325
11 W. Illinois "	39325
06 " High "	39325
04 E "	39325
05 W. Illinois "	39325
05 " "	39325
06 " High "	34325
08 " Green "	39325
07 " Illinois "	39325
05 " Green "	34325
03 " Illinois "	39325
05 " Oregon "	34336
07 " " "	34336
11 " " "	34336
04 " California St.	34336
04 " " "	34336
05 " " "	34336
10 " Oregon St.	34336
08 " " "	34336
05 " " "	34336
03 " " "	34336
01 " " "	34336
03 " " "	34336
05 " " "	34336
12 " California St.	39336
	43148
	43067-43069, 43078, 43114, 44023,
	43040, 4305.
	43065, 44091,
	43167, 44033,
	43124, 44044,
	43953, 43986, 44032,
	43956, 43987,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
4797	Grape-berry worm in grapes	Litchfield, Ill.	Aug. 29 '09	Hart
4798	White grubs taken following plow	Bloomington, "	" 30 "	"
[illegible]	Bagworm pupae from box-elder	Springfield "	" 17 "	"
[illegible]	Saperda adults " elm	E, p. 4805	Jun 12 "	Sanborn
[illegible]	Scolytid larva, pupa, & adult in elm bark	Marion, Ill.	Aug. 4 '08	Sanders
[illegible]	Larva boring in cambium of hickory twigs	Creal Springs "	" 3 "	"
4803	" & pupa feeding in Ustilago maydis	Randolph, "	Jul. 29 "	"
4804	" & adult boring in partly dead elm trunk	Herrin, "	" 17	"
4805	" in branch of elm which died in spring, 1908.	" "	" "	"
4806	Scolytid eggs, larva, & adults in hickory twigs	" "	" 15 "	"
[illegible]	Hickory borer, larva in black oak.		" 14 "	"
[illegible]	Cerambycid larva boring in living black oak		"	"
4809	" in black oak		"	"
[illegible]	Cossus larva in hickory		" "	"
[illegible]	Larva boring in elm	" "	" 18 "	"
4812	Dipterous eggs deposited on fresh horse dung, 3:30 P.M. Aug 9.	Urbana "	Aug. 9 "	Zetek
4813	Musca domestica adults, to test length of life without food	" "	" " "	Girault
4814	Larva boring in sassafras	Herrin "	Jul. 12 "	Sanders
[illegible]		Aurora "	Aug. 7 "	"
[illegible]	Puparia in body of Lachnosterna	" "	" " "	"
4817	" of parasite on Papaipema nitela	" "	" " "	"
4818	Arachnida on decaying corn	Exp. 4845	Jun 11, 1909	Sanborn
[illegible]	Dipterous larvae in horse dung treated with 5% sol. NaCl.	Urbana, Ill.	Aug 10 '08	Zetek
[illegible]	Muscid puparium placed in .1% sol. NaCl.	" "	" " "	"
4821	Dipterous larvae placed in 5% sol. NaCl. in vial.	" "	" " "	"
[illegible]	Diabrotica longicornis adults	" "	" " "	Sanders
[illegible]	Dipterous larvae from horse manure placed in tumbler with treated soil	" "	" " "	Zetek
[illegible]	" " " " " " "	" "	" " "	"
[illegible]	Lecanium, parasitized, on osage orange	Chicago "	" " "	Girault
[illegible]	Aphis americana on elm	"	" " "	"
[illegible]	Jassid eggs on forest tree.	" "	" " "	"
[illegible]	Diptorous puparia	Urbana "	" 11 "	Zetek
4829	" " " treated with ordinary water	" "	" " "	"
[illegible]	" " 10% horse-dung broth	" "	" " "	"
[illegible]	" " conc. sol. " " "	" "	" " "	"
[illegible]	" " 1% salt solution	" "	" " "	"
[illegible]	" " chloride of lime	" "	" " "	"
[illegible]	" " air-slaked "	" "	" " "	"
[illegible]	larvae " " chloride of "	" "	" " "	"

REMARKS.	Accession Numbers.
	43094, 43104, 43103, 43144, 43147, 43166, 44090,
	43119
	43079, 43080, 43097
	42138, 42147, 42200
	39320, 40135
	40137, 40138
	39396
	41450, 41564, 41565, 42306
	40143, 41502, 42238, 42242, 42488, 43127, 44141,
	42358
	40131
	41526, 41536, [illegible] 42483, 39370, 39569, 41416, 41503, 41504, [illegible]
	42456, 42491, 42494, 42496, 42497, 42503, 42509, 42523, 42526, 42261, 42262, 42270, 42297, 42307, 42322, 39867, 41517, 41554, [illegible] 43154, 43940, 43990, 43991, 44045, 42278, 41531, 42343,
	39346
	42384
	39350
	42278, 42340
of D. stables	39397, 39430
	39432
	41510, 42221, 42227, 42278, 42370
Si treated with 25cc horse dung broth + 25cc 5% salt sol.	39377
" " 50cc " "	39376
	39330, 39352, 39355
	39408, 39409
from 112 N. West St.	39308
" " " " "	39308
" " " " "	39308, 39373
" " " " "	39308
" " " " "	39308
" " " " "	39308
" " " " "	39308
" " " " "	39309

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
4836	Dipterous larvae treated with air-slaked lime	Urbana, Ill.	Aug. 11 '08	Zetek
1837	" " " hydrant water	" "	" " "	"
1838	" " " " 1% salt solution	" "	" "	"
1839	" " " " 50% horseding broth	" "	" "	"
4840	Muscid larvae exposed to sun	" "	" " "	Girault
4841	Leaf-roller larva, parasitized, on osage orange	Dallenbach "	" 13 "	Sanders
4842	Muscid larvae in horse manure treated with calcium chloride	Urbana "	" " "	Zetek
4843	Muscid puparia & larvae in flagrantly neglected manure box	" "	" "	Girault
4844	Muscid larvae in manure, exposed to direct sunlight	" "	" 10 "	"
4845	Diabrotica longicornis adults	" "	" 14 "	Sanders
4846	Lasius n. americanus colonies with unfertilized queens to test effect of [odoriferous substances	Dallenbach "	5-11 "	"
4847				
4848	Dipterous larvae in contents of cow stomachs from outside slaughter [house	Urbana, Ill.	Aug. 14 '08	Zetek
4849	Carcass of rat filled with dipterous larvae	" "	" "	"
1850	Dipterous eggs deposited on contents of cow-stomach in slaughter house	" "	" "	"
4851	" larvae in putrefactive meat at slaughter house just brought in	" "	" " "	"
4852	" eggs " " " in "	" "	" "	"
1853	" " on	" "	" "	"
4854	" larvae on suet from slaughter house	" "	" "	"
4855	in calf-tail outside " "	" "	" " "	"
1856	Coleopterous larva & pupa in rotten pig hair	" "	" "	"
4857	Larvae from cornfield	Dallenbach "	" 11 "	Sanders
1858	Dipterous eggs & larvae in solid human excreta	Urbana "	" 14 "	Girault
1859	" puparia under boards in slime (mud & decoding drainage)	" "	" "	"
4860	" " among hog hair on ground		" " "	"
4861	" larvae in refuse tallow	" "	" "	"
4862	" " treated with CaOCl & lime	" "	" 13 "	Zetek
1863	" " " " various liquids	" "	" 14 "	"
4864	Musca domestica, duration of life under various conditions	Exp. 4562	" 10 "	"
4865	Flies from decomposing rat carcass	Urbana Ill.	" 15 "	"
4866	Apanteles cocoons from larva of Phlegethontius sexta	" "	" 19 "	Sanders
1867	" " " tomato sphinx	" "	" 17 "	"
4868	Cocoons from Pholus satellitia pandorus (?) larva	" "	" 16 "	"
1869	Fly-paper exposed in dining room, for Diptera	" "	" 15 "	Girault
1870	Dipterous larvae in carcass of rat from slaughter-house	" "	" 14 "	Zetek
4871	Musca domestica larvae exposed in layer to sunlight	" "	" 18 "	Girault
1872	" " " " to direct "			"
4873	Diptera from in & about horse stables	Urbana, Ill.	Aug. 18 '08	Sanders
1874	Dipterous eggs deposited on an egg	" "	" 16 "	Zetek

REMARKS.	Accession Numbers.
	39309, 39374
	39309
	39309
	39309
	40116, 40117
211 N. Market St.	39570, 39800-39802, 39822-39832, 39849-39855, 39870-39886, 39942, 39943
" " "	
	39431
	42377
	39468, 4[illegible]2, 4[illegible]
Smith & Co, Ice & Packing Co. N. Lincoln Ave	39339, 39406, 39503, 39507-39509
" " " " "	39338, 39481, 39482, 39506, 39536
" " " " "	39460, 3943-71, 4394, -9470, -4471, 39490,
" " " " " " " " "	39491, 39564, 39576, 39807
" " " " "	39495, 39510, 39533-39535, 39549, 39565,
" " " " " " " " "	39594, 39597, 39859, 39868, 39869, 39937, 39938
	39399, 39493, 39526, 39547, 39548,
" " " " " " " " "	39559, 39560
" " " " " "	39494, 39[illegible]44
" " " " " "	39492, 39512
" " " " " "	
two axilidstone unknown larva	
Smith & Co, slaughterhouse, open box privy	39530, 39814, 39[illegible]15, 39836, 39[illegible]7
" " " " offal.	39375, 39435
" " " refuse pile.	39361-39364
" " "	
	39446
	39356-39354
78 cocoons from 1 larva	
64 " " " "	39856-39858
	39343, 39344, 39393, 39394, 39401
	39455, 39457-39459, 39504
Smith & Co., N. Lincoln St.	39371, 39558, 39595
211 N. Market St.	39803, 40141
"	39381, 39382, 39403, 39415-39419, 39421, 39423-39428, 39461
	39514, 39[illegible]8, 39[illegible]5

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
4875	Dipterous eggs deposited on an egg	Urbana Ill	Aug. 18 08	Zetek
4876	" " " human dung	"	"	"
4877	Dipt. larvae in manure in jar with dry NaCl on bottom	"	" 19 "	"
4878	" " " " " " lime	"	"	"
4879	" " " " treated with conc. NaCl sol	"	"	"
4880	" " " " " " " 50 cc 5% NaCl sol.	"	"	"
4881	" " " " " " " dry NaCl.	"	"	"
4882	50% conc. salt sol.			
4883	manure in jar treated with a 5% CHOH solution			"
4884	" " " jar with ord. lime dampened with water	"		"
4885	½ qts manure wet with water	"		"
4886	" with 3/8" cake of lime on top			"
4887	Diptera taken feeding on human dung exposed outside Insectary.	"	" 18	"
4888	" inside	"	"	"
4889	Dipterous puparia exposed to sun	"	" 20 "	Sanders
4890	Gall on white oak	Vandalia	" 15 "	"
4891	Dipterous eggs deposited on human faeces	Urbana	" 19 "	Zetek
4892	" larvae in carcass of pig 2 or 3 days old	"	" 20	"
4893	" " " human faeces	"	"	"
4894	Musca domestica, ♂+♀, taken in copula, for oviposition	"	"	"
4895	Chalcidoidea parasitic on a noctuid pupa on oak	Vandalia	" 8 "	Girault
4896	Muscid eggs on fresh cow droppings	Urbana	" 21 "	"
4897	Heliophila unipuncta larvae, blue grass	Champaign	June 12, 1909	Sanborn
4898	Dipterous larvae in cow dung in open bin, U. of I. stable	Urbana, Ill.	Aug. 21 08	Zetek
4899	Diptera taken on cow-manure, U. of I. stable.	"	" " "	Girault
4900	Dipterous larvae + puparia, to test effect of sunlight	"	" " "	Zetek
4901	Diptera taken about milk cans, &c., U. of I. dairy	"	" "	Sanders
4902	Ceratomia catalpae larva on catalpa.	Parker City	" "	"
4903	Tachinid parasite of Archips sp. on wild rose	Maywood	" 12 "	Girault
4904	Musca domestica larvae placed in open box to test effect.	Urbana	" 20 "	"
4905	Horse dung from brick street pavement, to test dipterous infestation	"	" "	Sanders
4906	Lucanid larvae from hollow maple	"	" 17 "	"
4907	Dipt. larvae enclosed in glass + [illegible] in manure 2 - 67° C.	"	" 22 "	Zetek
4908	Dipterous pupae from stock cage	"	" " "	"
4909	" larvae in pig hair in refuse pile	"	" 14 "	Girault
4910	" eggs on garbage consisting mostly of chicken feathers	Champaign	" 22 "	"
4911	Pure vegetable dumpings from kitchen, about 2 days old, for Diptera	"	" " "	"
4912	Chicken entrails from garbage heap, for Diptera	"	" " "	"
4913	Dipterous maggots in garbage drainage	"	" "	"

REMARKS.	Accession Numbers.
	39848, 39909
	39861, 39909, 39950
	39840
	39387-39390, 39451
	39400
Farm, U. of I.	39402, 39454, 39513, 39514, 39578, 39579, 39581, 39586, 39862, 39972, 39973, 41072,
	39404, 39813, 39863, 39976
	39456
	39410
Farm, U. of I.	39407, 39483-39485, 39551-39553, 39810, 39811, 39845-39847, 39892, 39893, 39910 39911, 39915, 39924
	41016, [illegible]
	39411-39414,
21 N. Market St.	39837
	39420, 39422
	41039
	39429
	3994[illegible]
a, Florence flask; b, in test tube.	
Smith & Co, slaughter-house	39445, 39502, 39531, 40208.
City garbage dump, N. Neil St. Subjected to heat.	
" " " " "	39550, 39560, 39561, 39575, 41002
" " " " "	39912, 39920, 39921, 40120, 41003
" " " " "	39555, 39556

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
[illegible]	Dipterous larvae in decomposed canteloupe from garbage heap	Champaign, Ill.	Aug. 22 '08	Girault
4915	Human faeces infested with dipt. larvae.	" "	" " "	"
4916	Decomposed cooked eggs from garbage pile, for Diptera	" "	" " "	"
4917	Carcass of dog, decomposed & infested with maggots, from garbage	"	" " "	"
[illegible]	" " " " " " "	" "	" " "	"
[illegible]	" " rat from garbage pile, for diptera	" "	" " "	"
4920	Dipt. larvae in hen wing & tail feathers, from garbage	" "	" " "	"
4921	" " & puparia in freshly dumped kitchen offal.	" "	" " "	"
4922	" " in old garbage mixed with ashes, under surface about 2 inches	" "	" " "	"
4923	" " in part of barrel of decomposed salted shad.	" "	" " "	"
4924	Misc. mixed garbage infested with maggots	" "	" " "	"
4925	Dipt. larvae in rather old kitchen offal.	" "	" " "	"
[illegible]	" " carcass of brown thrasher	" "	" " "	"
4927	" " " horse manure from manure box	Urbana, "	" 20 "	"
4928	Human faeces exposed to flies for 24 hours	" "	" 23 "	Zetek
4929	Dipterous larvae in carcass of pigeon	" "	" 24 "	Sanders
4930	" eggs on human faeces	" "	" 22 "	Zetek
4931	" " " "	" "	" " "	"
4932	" " "	"	" " "	"
4933	" " " " "	" "	" " "	"
4934	" " " " "	" "	" " "	"
4935	" " " "	" "	" " "	"
4936	" larvae in wet manure exposed to sun in flask	" "	" 20 "	"
4937	Horse manure 24 hrs. old for deposition of eggs of Musca	" "	" " "	"
4938	" " 48 " " " " " " " " "	" "	" " "	"
4939	" " 72 " " " " " " " " "	" "	" " "	"
4940	" " 96 " " " " " " " " "	" "	" " "	"
4941	Musca domestica ♂ & ♀ confined over human faeces.	" "	" 23 "	"
4942	Aphid of apple, parasitized.	Murphysboro "	" 24 "	Sanders
4943	Apple leaf miner parasite, cocoons.	" "	" " "	"
4944	Dipterous larvae & puparia in manure, exposed to sun.	Urbana "	" 25 "	Zetek
4945	" puparia.	" "	" " "	"
4946	Human faeces exposed to flies 24 hours.	" "	" " "	"
4947	Dipterous puparia.	" "	" " "	"
[illegible]	Fly paper exposed in houses, groceries, &c, for Diptera	Champaign "	" 24 "	C. R. Cummings
4949	Diptera infesting soft parts of mollusca.	White Heath "	" 26 "	Zetek
4950	Carcass of mouse, with eggs of diptera	Urbana "	" " "	"
[illegible]	" " " " "	" "	" " "	"
4952	" " " " " "	" "	" " "	"

REMARKS.	Accession Numbers.
City garbage dump. N. Neil St.	39567, 39568
" " " "	39563, 39596
" " " "	
" " " "	39805, 39806
" " " "	
" " " "	39817 39584, 39585, 39812, 39846, 39847
" " " "	39917 - 39919
" " " "	39804
" " " "	39582, 39583
" " " "	39818 39566, 39567, 39571, 39572, 39590, 39591, 40180, 40181, 39153
" " " "	39554, 39580, 40805, 40808
" " " "	39908, 39941
21 N. Market St.	39971
	39914, 39916, 40129
Co. of D. stables	39891
" "	39462, 39465
" "	
	45507.
	39947, 39977
	39486 - 39489, 39497, 39537, 39538
	39946, 39952
	37482, 39922
	39948

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMEN
4953	Human faeces with eggs of diptera	Urbana, Ill	Aug 27 '08	Zetek
4954	" " " " " "	" "	" " "	"
4955	" " " " "	"	" " "	"
4956	Diptera from garbage heap.	Champaign "	" — "	Girault
4957	Dipterous puparium.	Urbana "	" 25 "	Zetek
4958	" lavae in seepage from garbage piles.	Champaign "	" 28 "	Girault
4959	" " " human faeces exposed in box privy	" "	" " "	"
4960	" " " " " " "	" "	" " "	"
4961	" " + pupaia in decomposing carrots + cucumbers	" "	" " "	"
4962	" " in decomposed watermelon	" "	" " "	"
4963	" " " " fish (salted mackerel)	" "	" " "	"
4964	" " " " bananas from garbage pile	" "	" " "	"
4965	" " " " canteloupe " " "	" "	" " "	"
4966	" " " " carcass of white bulldog	" "	" " "	"
4967	" " " " " " Angora cat	" "	" " "	"
4968	Fly paper exposed in meat-market, for Diptera	Urbana "	" 26 "	Girault
4969	Human faeces exposed to flies 36 hrs.	" "	" 28 "	"
4970	Material from a critical examination of manure boxes	" "	" — "	Girault + Zetek
4971	Apanteles cocoons on Protoparce carolina larva	" "	" 28 "	Sanders
4972	Dipterous lavae in cow manure in box	"	" 29 "	"
4973	" " " " droppings in field	" "	" " "	"
4974	" pupaia	" "	" " "	Zetek
4975	" lavae placed in powd. lime used at 904 W. Clark St.	" "	" " "	"
4976	" " " " " " " " 706 W. Main "	" "	" " "	"
4977	" " " " " " " " 603 " " "	" "	" " "	"
4978	Eggs taken on horse manure, for test of exposure to sun	" "	" 28 "	Sanders
4979	Dipterous lavae in human faeces under normal conditions	" "	" 31 "	"
4980	Lucilia ovipositing	Exp. 4967	Sep. 1 "	"
4981	Dipterous lavae + pupaia from manure boxes	Urbana, Ill.	Aug 29 "	"
4982	" in horse manure treated with $Ca(OH)_2$, 1-32.	" "	Sep. 3 "	"
4983	" " " " " " 1-16	" "	" 3 "	"
4984	" eggs on soft parts of mollusca,	Sangamon R., "	" 4 "	"
4985	Horse manure probably infested with eggs of Diptera, to test effect of {calcium hydroxide, 1-8	Urbana, "	" " "	"
4986	Carcass of rabbit exposed to flies in greenhouse	" "	" " "	"
4987	Syrphus, pair of adults placed in jar over horse manure infested w. maggots	Exp. 4842d.	" 6 "	"
4988	Carcass of mouse infested with dipterous lavae	Urbana, Ill	" " "	"
4989	Parasites of tortricid leaf-tyer on apple	Makanda "	" 8 "	"
4990	Bagworm on apple	" "	" " "	"
4991	Musca domestica pupaia + larva placed with Pteromalid adult	Urbana "	" 10 "	"

REMARKS.	Accession Numbers.
	39978, 39993, [illegible]
	39[illegible]
	39953
	39515-39523, 39525, 39539-39545
	39[illegible]
City dumping grounds, North Neil St.	39889, 39890, 39[illegible]
90 Hickory St., box privy	3994[illegible]
107 N. Neil " " "	39[illegible]
City dumping grounds, N. Neil St.	39838, 39839, 39902, 399[illegible]
" " " " " "	39598, 39599, 39807, 399[illegible]
" " " " " "	
" " " " " "	39894, 3989[illegible]
" " " " " "	39841-39843, 39905-39[illegible]
" " " " " "	
" " " " " "	40114-40[illegible]
	39527, 39528, 3954[illegible]
	399[illegible]
2d. 4c.	39929-39[illegible], 41[illegible]2, 42310, 423[illegible]
Roof S. stable, south farm.	3990[illegible]
South farm.	39819-39821, 39833, 39834, 39903, 39904, 39969, 39970, 40121, 40170, 40255, 40256.
	43943,
	43944,
105 W. Clark St.	
	3995[illegible]
Coll. by C. Q. Cummings	40108-40[illegible]
111 N. Market St	39944, 39982-39984, 39988, 39989, 39995, 39997, 40104-401[illegible]
" " " "	39985-39987, 39990.
21 N. Market St.	399[illegible]4, 39974, 39990, 39999, 40103, 40107
Pract. Dept., U. of S.	39968, 39975, 40123, 40124
"	42162, 42194, 42233, 44086, 39848 39900, 40100-40[illegible]2, 41573,
	39957, 40142

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
4992	Musca domestica larva & puparium placed with Spalangia adults	Urbana, Ill.	Sep. 10 '08	Sanders
4993	Dipterous puparia	Exp. 4967	" " "	"
4994	"	"	" " "	"
4995	Musca domestica puparium	Urbana, Ill	" " "	"
4996	" " puparia placed with Pteromalid adults	" "	" " "	"
4997	Dipterous puparia " " " "	Exp. 4967	" " "	"
4998	Musca domestica larva & puparia " " Spalangia "	Urbana, Ill.	" " "	"
4999	Katydid eggs from apple tree	Makanda "	" " "	"
5000	Musca domestica larva & puparia	Urbana "	" 11 "	"
5001	" " puparia	Exp. 4982b	" 12 "	"
5002	Musca domestica puparia from horse manure, placed with Lucilia parasite	Urbana, Ill.	" " "	"
5003	" " " " " " minute Hymenoptera	" "	" " "	"
5004	Borer larvae in hickory trunk	Herrin "	Jul 18 "	"
5005	" " " shingle oak limbs	" "	" 15 "	"
5006	" " " black oak trunk	" "	" 7 "	"
5007	" " elm trunk	" "	" 18 "	"
5008	Lucilia puparia	Urbana "	Sep. 14 "	"
5009	Leaf-roller on celery-pupa & parasite.	Niles Center "	" 12 "	"
5010	Misc. puparia	Exps. ——	" 15 "	"
5011	Bill bugs, one pair in copula, from corn	Chadwick, Ill.	June 7, 1909	Janquary
5012	Lucilia pupa	Exp. 4967	Sep. 15 '08	Sanders
5013	Horse manure exposed 12 hrs. after dropping, for treatment w. $CuSO_4$ & kainit.	Urbana Ill	" 17 "	"
5014	Carcass of goat exposed to flies	" "	" 18 "	"
5015	Lucilia puparia placed with ♀ pteromalid, to test no. of eggs def. by pteromalid	Exp. 4967	" " "	"
5016	Pteromalids released at garbage dump	" 5012a	" 23, "	"
5017	Pteromalid ♀♀, unfertilized, put in capsules with Lucilia puparia	" 5012	" 27 "	"
5018	Nasonia brevicornis put in vial with Lucilia puparia	" 5012	" " "	"
5019	Chalcids put in vial with Lucilia puparia	" 5000	" 29 "	"
5020	Chalcid ♀ " " capsule " " "	" 5000	" " "	"
5021	Musca domestica puparia exposed for parasites	" ——	" 20-30 "	"
5022	Dipterous puparia exposed to parasite for grubs of known age	" ——	" 30 "	"
5023	Chalcids put with Lucilia puparia	" 5000	Oct. 1 "	"
5024	Musca domestica to test effect of temperature	Urbana, Ill.	Sept. 27 "	"
5025	Maggots in decaying onions	Glenview "	Oct. 3. "	"
5026	Larva feeding on elder leaves	Chicago "	" 5. "	"
5027	Dipterous puparia from onion field	Glenview "	" 3 "	"
5028	" larvae " carcass of guinea pigs	Urbana "	" 5 "	"
5029	Cossid larva, and its parasite, in willow	Bondville "	" 6 "	"
5030	Cerambycid larva boring in elm bark	Chicago "	" 8 "	"

REMARKS.	Accession Numbers.
	39955, 40174
	39961-39967, 40140, 40141, 40151, 40152, 40169, 40174
	40147-40149
	43036, 43064 44085,
	40204-40206 40144-40146, 40150, 40153, 40171, 40172
	39925-39928, 39933 39936
	39939, 40189, 40190.
	42373 44198, 44199, 44200, 44201,
	42170, 42171.
	41570, 42125-42128, 42137 42271
same species as 39922	39950, 39951, 40151, 42270
	39974, 40118, 40119
	40122, 40125, 40163
	42101
	40172, 42231 42267
211 N. Market St.	40252, 40173-40175, 40187, 40188, 40207, 40257,
	40241, 40232-40234, 40241
	40259, 40264, 40266, 40128, 40159-40161, 40210-40217, 40258,
Lucilia bred from larvae from garbage dump.	40260-40263
	40242-40245
	40298, 40299, 41000, 4100.
Bred from larvae from 1005 N. Clark St., Urbana.	42382 40230, 40231, 40250, 40253, 40254, 4108.
Bred from larvae from garbage, N. Neil St. Champ.	40162, 40164, 40165, 40167, 40182, 40183, 40186, 40199, 40202, 40203, 40209, 40218, 40229, 40238,
	40240-40249, 42268, 43267
1005 N. Clark St.	40240, 40457, 40457, 43276,
	41349
	40235, 42236.
Ent. Dept., U. of I.	42198, 42380, 42381,
	41431, 41448, 41462, 41536, 42034

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
5031	Borers in ash twig	Vandalia Ill.	Aug. 13, 08	Sanders
5032	Aulacaspis rosae on black raspberry for parasites	Urbana "	Dec. "	Girault
5033	[illegible] colonies to test effect of odors	" "	" 31 "	"
5034	[illegible] cycid larvae in live hard maple	Spring Valley "	" 23 "	Tanquary
5035	Borers in dead wood of [illegible]	" " "	" " "	"
5036	[illegible] in [illegible]	" " "	" " "	"
5037	[illegible] larvae in live black oak	" " "	" " "	"
5038	Cerambycid larvae in live [illegible]	" " "	" 26 "	"
5039	Goes larvae in live black oak	" " "	" " "	"
5040	Borers in dead wood of hard maple	" " "	" 27 "	"
5041	[illegible] cycid larvae in white oak	Marquette "	" 25 "	"
5042	Buprestid larvae in bark of [illegible]	Utica "	" 29 "	"
5043	Lep. larva from bark of live black oak near base	" "	" " "	"
5044	Cerambycid larvae in young live hickory	" "	" " "	"
5045	" larva from live white oak	Marseilles "	" 31 "	"
5046	Cynipid galls on black oak sprouts	" "	" 2 "	"
5047	Lepidopterous cocoons in elm bark	" "	" 3 "	"
5048				
5049	Goes larvae on black and burr oak branches	" "	" 4 "	"
5050	[illegible] cycid larva from young [illegible]	" "	" 5 "	"
5051	Cerambycid larvae on hickory twig	Spring Valley & Marseilles "	" 7 "	"
5052	[illegible] Lepidopterous cocoons from burrows of Goes in hickory	Marseilles "	" 4 "	"
5053	Muscidae, all stages, for winter habits	Champaign "	Sept. 20 Nov. "	Zetek
5054	Cerambycid larvae from bark and heartwood of linden	Havana "	Nov. 12, "	Tanquary
5055	Scolytid & Buprestid larvae in cut branches of black oak	" "	" 17, "	"
5056	Cerambycid larva from bark and wood of live black oak	" "	" 12 "	"
5057	Scolytid larvae from live black oak	" "	" 7 "	"
5058	Borers in dead branches of live black oak	" "	" " "	"
5059	Cerambycid larva in black oak	" "	" " "	"
5060	Molorchus bimaculatus larvae in dead branches of black oak	" "	" " "	"
5061	Cerambycid larvae in soft maple	Canalerville "	" 19 "	"
5062	Diptera breeding in decaying lemon	Champaign "	" 21 "	Zetek
5063	" " " " orange	" "	" " "	" "
5064	Musca in horse manure for winter conditions	sp. "	" " "	Zetek
5065	Cerambycid larvae in live black oak	Havana, Ill. "	12 "	Tanquary
5066	Aspidisca splendoriferella, pupa cases on apple tree	Springfield "	Dec. 1 "	"
5067	Scolytid larvae, and larvae & pupae of a parasite upon them, beneath	apple bark " "	" 1 "	"
5068	Aspidiotus [illegible] on willow	Chicago, "	Jan. 7 '04	Johnson
5069	Dipterous puparia from slaughter house	Urbana, "	Nov. 4 "	Zetek

REMARKS.	Accession Numbers.
	42387
	40217, 42387
	42120, 42199
	41015, 42187, 42236
	41016
	41017, 41422, 41552, 42260
	41018, 41407
third year stage?	41019, 43013
exposed by work of larvae in Exp. 5034.	41028, 41535, 41575, 41588, 41589, 42136
	41014
tree had died in summer of '07.	41510
	41020
	41021, 43561,
	40276, 40277, 40279, 41013, 41089, 41093, 41433, 42360, 42387,
	42133, 42213
	40270
	42215, 43125,
	41024
	41510, 41544, 41563, 41585, 42157, 42250, 42251, 42326, 42392-42394, 42408, 44021, 44116,
Campaign, carriage lamp	40272, 41[illegible]0
	43564,
	41403, 41446, 41449, 42135, 42181, 42182, 42237, 42424, 43156, 44108, 44109,
	42425, 42457, 42482, 424[illegible]
	41068, 44157,
	42.27
Branches had been cut in winter of '07-'08.	41418, 42186, 43573,
	43575,
Carriage lamp	40273
	40274
	42327, 43566, 43564,
	41024-41029, 41[illegible], [illegible]
	42410
Smith & Co.	41073

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5070	Samia cecropia cocoon from apple tree	Princeton Ill	Feb. 6, 09	Hart & Sanborn
5071	Semerocampa leucostigma eggs on apple tree	" "	" " "	Sanborn
5072	Lepidopterous cocoons on nursery stock imported from France	" "	" " "	"
5073	Mi[illegible] indigis[illegible] larvae on apple tree	" "	" " "	"
5074	Lepidopterous cocoons in soil [illegible] apple roots	" "	" " "	"
5075	[illegible] parasites, [illegible] cocoons, [illegible]	" "	" " "	"
5076	Tryxeta? larvae in Solidago galls	Centralia, "	" 4 "	"
5077	Scorytid larvae? in apple twigs	" "	" " "	"
5078	Diastrophus larvae in blackberry galls	[illegible] "	" 6 "	"
5079	Lepidopterous cocoon from pear twig	Bloomington "	" 2 "	"
5080	" cocoons on rose bush	" "	" " "	"
5081	" eggs " cherry and rose	" "	" " "	"
5082	" " " " "	" "	" " "	"
5083	Schizoneura lanigera larvae on apple	Princeton, "	" 6 "	"
5084	Lepidopterous eggs on mountain ash	" "	" " "	"
5085	" larvae from pear tree	Bloomington "	" 5 "	"
5086	" leaf-roller larvae on apple	" "	" 15 "	"
5087	Dipterous larva in carrot	" "	" " "	"
5088	Toxoptera graminum adults on wheat	Urbana "	" 18 "	"
5089	Apantesis vittata larva on sidewalk	" "	" 21 "	"
5090	Tortricid larvae on quince	La Salle "	" 20 "	"
5091	Lepidopterous pupa in goldenrod	Centralia "	" 4 "	"
5092	Samia cecropia cocoons in nurseries	Bloomington "	" 22 "	"
5093	Lepidopterous chrysalis on currant	" "	" " "	"
5094	Chaitophorus quercifolia eggs on oak	College Sta. Texas	Nov. 11, 08	"
5095	aphid egg on cherry	Bloomington Ill	Feb. 12, 09	"
5096	Hippodamia parenthesis adults in hibernation	Muncie "	March 7 "	"
5097	Coccinella 4-notata adults in hibernation	" "	" " "	"
5098	Enchenopa binotata eggs on Ptelea trifoliata	" "	" " "	"
5099	Chrysopa adult flying in woods	" "	" " "	"
5100	Cynipids in elm galls	Decatur "	" 4 "	"
5101	Samia cecropia cocoon	" "	" " "	"
5102	Egg masses on apple twigs	Tuscola "	" " "	"
5103	Cynips quercus-globulus larvae on oak	Decatur "	" " "	"
5104	" egg masses on apple twig	" "	" " "	"
5105	Cynips quercus-pisi larvae on oak leaves	Chadwick "	May 20 08	"
5106	Samia cecropia cocoons	Chicago "	March 22, 09	"
5107	Telea polyphemus cocoon	" "	" " "	"
5108	Malacosoma eggs on rose (M. incurva)	" "	" " "	"

REMARKS.	Accession Numbers.
	42281
	4143, 4143, 4215, 4230, 4261, 4333, 4231, 4237, 4271
	42272
	42327
	41417
	41427, 42273
	1, 135, 1, 1, 15
	4, 15, 17, 1, 1, 1

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
5109	Moth pupa on boxwood	Chicago Ill	March 22. 09	Sanborn
5110	Notolophus antiqua eggs	" "	" " "	"
5111	" " "	" "	" " "	"
5	scid puparia from horse manure	Urbana, "	Dec. 19 '08	Zetek
5113	tid eggs on Chamaecrasus chrysantha	Chicago, "	April 1, 09	Sanborn
5114	ra id larvae from apple	Urbana "	" 5 "	"
5115	Pyrydopteryx ephemeraeformis eggs on red cedar	Carbondale "	" 12 "	"
5116	recanium eggs on soft maple	" "	" " "	"
5117	Scaizoneura corni? adults on Cornus	White Heath "	" 14 "	"
5118	Dyon optera eggs in Cornus	" " "	" " "	"
5119	Alaus oculatus larvae in dead red oak	" " "	" " "	"
5120	Elaterid larvae in dead red oak	" " "	" " "	"
5121	" adults " " " "	" " "	" " "	"
5122	sucarid " " " " "	" " "	" " "	"
5123	Uprit " " ant nest	" " "	" " "	"
5124	Dactylopius " " " "	" " "	" " "	"
5125	Ancidores cingulatus larvae in persimmon	Ozark "	" 13 "	"
5126	Homopterous eggs on apple twig	" "	" " "	"
5127	Coleopterous larva under " bark	Carbondale "	" 17 "	"
5128	Lepidopterous pupa " " "	" "	" " "	"
5129	" larva " dead " "	" "	" " "	"
5130	" leaf-roller larvae on " leaves	" "	" 22 "	"
5131	" " " " " " "	" "	" " "	"
5132	" " " " " " "	New Burnside "	" 24 "	"
5133	Malacosoma americana " " " "	" " "	" " "	"
5134	aphis adult on plantain	Urbana "	" " "	"
5135	Sarcophagid maggots in carcass of a robin	" "	" 23 "	Girault
5136	Tipula bicornis larvae feeding on strawberry plants	Farmia "	" 28 "	Sanborn
5137	Rhopalosiphum berberides adults on barberry	Urbana "	May 3 "	"
5138	Tipula bicornis larvae eating strawberry plants	Laclede "	" " "	"
5139	Tipulid adults in cocoon on base of aspen tree	Urbana "	" 5 "	"
5140	Lepidopterous apple leaf eater larva on apple leaves	Olney "	" 4 "	"
5141	Archips rosaceana larva on apple leaves	" "	" " "	"
5142	Phinsola indiginella larvae " " "	" "	" " "	"
5143	Siphocoryne avenae adults " " "	Urbana "	" 5 "	"
5144	Geometrid larvae on rose	" "	" 6 "	"
5145	Lepidopterous chrysalids from cornfield	Dew Grove "	" 8 "	January
5146	Andricus clavula pupa in white oak galls	White Heath "	" 9 "	Sanborn
5147	Homopterous eggs in elm	———	" 11 "	"

REMARKS.	Accession Numbers.
	41070
	41571, 41600, 41615
	41611, 1
	41622, 41671, 41722
	41701, 41711, 41731, 41751, 41761, 41771, 41781, 41791, 41801, 41811, 41821, 41831, 41841, 41851, 41861, 41871, 41881, 41891, 41901, 41911, 41921, 41931, 41941, 41951, 41961, 41971, 41981, 41991, 42001, 42011, 42021, 42031, 42041, 42051, 42061, 42071, 42081, 42091, 42101, 42111, 42121, 42131, 42141,

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
[illegible]	Homopterous eggs on elm	——	May 11, 09	Sanborn
5[illegible]9	Meal beetle larvae from ware house	Bloomington, Ill	" " "	Tanquary
5[illegible]0	Coleopterous pupa in elm	Urbana "	" 13 "	Sanborn
[illegible]	Homopterous eggs on elm	——	——	"
[illegible]52	Lecanium on hard maple	Mackinaw, Ill.	May 15, 09	Tanquary
5[illegible]	Mineola indiginella larvae on Crataegus	Randolph "	" 14 "	Sanborn
[illegible]4	Hymenopterous borers, larvae & pupae, in honey locust	" "	" " "	"
5155	Jassid nymphs on rose leaves	Chicago "	" " "	"
[illegible]	Tingitid on horse chestnut	Mackinaw "	" 15 "	Tanquary
5157	Balaninus larvae, in ground near roots of oak trees.	Aurora "	" " "	Sanborn
[illegible]8	Chrysalis from timothy sod	" "	" " "	Tanquary
5159	Asilid larva from " "	" "	" " "	Sanborn
[illegible]	[illegible]terous puparia in Lachnosterna fusca?	" "	" " "	"
[illegible]	Cerambycid adults for oviposition	Exp. 5114	" 18 "	Tanquary
[illegible]62	Lepidopterous larva in ash wood, univ. forest	Urbana, Ill.	" 19 "	Sanborn
[illegible]3	Locustid eggs on apple	" "	" 20 "	"
[illegible]	Coleopterous larvae on oat roots	Aurora "	" 21 "	"
[illegible]	Dipterous larvae	Exp. 4845	" " "	"
[illegible]6	Steganoptycha clayfoleana larvae, boring in petioles of horse-chestnut	Danvers, Ill.	" 20 "	"
[illegible]7	Aphis rumicis, stem mother, on Viburnum opulus sterilis	Chicago "	" 1 "	"
[illegible]8	Pemphigus fraxinifoliae, stem mother, on ash.	Urbana "	" 26 "	"
[illegible]	Homopterous eggs in apple twigs	Anna "	" 22 "	"
[illegible]0	Schizoneura americana, nymphs & adults, on elm leaf	Urbana "	" 27 "	"
5171	Cacoecia rosaceana larvae on apple leaves	" "	" " "	"
5172	Leaf roller larva from ash leaf	" "	" 28 "	"
5173	Lepidopterous larvae, borers in box elder twigs	" "	" " "	"
[illegible]4	pupa in burrow - " " "	" "	" " "	"
5175	Dipterous larvae from germinating corn	Plymouth "	" 29 "	Tanquary
[illegible]6	Syrphid puparium from ant nest	Aurora "	" 24 "	"
5177	Lepidopterous larvae, borers in box elder twigs	Urbana "	" 29 "	Sanborn
[illegible]8	Toothed flea-beetles from corn	{Decatur " Cpenoe " Harristown "	" 26-28 "	Tanquary
5179	Dipterous larvae in corn roots	Aurora "	" 29 "	"
5180	Malacosoma americana larvae on apple	" "	" 28 "	"
[illegible]	Dipterous larvae in sprouting corn	" "	" 29 "	"
[illegible]7	Insect cocoon on apple leaf	" "	" 28 "	"
[illegible]3	Hymenopterous cocoon from timothy sod	" "	" " "	"
[illegible]	Dipterous puparia from soil in garden	" "	" 29 "	"
5185	Tiphia cocoons from timothy field infested with white grubs	" "	" 28 "	"
[illegible]	Insect eggs from cow-manure	" "	" " "	"

REMARKS.	Accession Numbers.
Sun & Bros ware house	41109, 41459, 42100, 42141, 42142, 42274, 42277, 42331, 42428
	41461
	4-307
	42193, 42139
	41522
	41427
	41420
	42357
	42382
	41445, 42320
	41465
	42297, 42407
	41405, 41542
	41411, 41442 41500
Takes pseudogalls of leaves	41455
" " " "	41457
	42350
	41400
	41476
	41480
	41401
	41501
Reported as doing much damage	
	42423
	41480. 41427
	41555
	41458.
	41578, 42451, 42221, 42222, 42234, 42317
	42459
	41553, 41550, 41561, 41572
	42350

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
5187	Wireworms from corn hills	Grape Creek, Ill	May 31, '09	Sanguan
5188	" " " "	Tampico "	Jun. 1 "	"
5189	Coleopterous pupa from corn hill	" "	May 31 "	"
5190	Cheyletus seminivorus infesting hemp-seed	Chicago "	" 26 "	Sanborn
5191	Coleopterous larvae from corn hill	Tampico "	" 31 "	Sanguan
5192	Lepidopterous leaf-roller larva on box-elder	Urbana "	" 28 "	Sanborn
5193	Cutworms taken on corn	Wapella "	Jun 1 "	Sanguan
5194	Arctiid larva on corn	" "	" " "	"
5195	Elaterid larvae on corn	Farina "	" 3 "	Sanborn
5196	White grubs from garden	Harristown "	" 4 "	Sanguan
5197	" " " corn	" "	" " "	"
5198	" "	Aurora "	" — "	"
5199	" " from corn field	Normal "	" 4 "	"
5200	Dipterous puparia in onion bulbs	Niles Center, Ill.	———	
5201	" " near cabbage roots	" "	Mar 31 '09	Davis
5202	" " old " stumps	" "	" " "	"
5203	Borers in small twigs of willow	Chicago "	Apr. 17 "	"
5204	Phorbia ceparum(?) egg	Morton Grove "	" 22 "	"
5205	" " " eggs	" " "	" " "	"
5206	" " adults	" " "	" " "	"
5207	Cecidomyiid gall on Cornus	Oak Park "	" 24 "	"
5208	Elaterid adults taken in an onion field	Chicago "	" 27 "	"
5209	Spittle insects on Baby Rambler rose	" "	May 6 "	"
5210	Scolytid larvae in parts of trunks of nursery stock balsam poplars	" "	Feb. 3 "	"
5211	Cerambycid larvae in branches of Carolina poplar	" "	Mar. 30 "	"
5212	Wireworms from ground which has been in potatoes	Niles Center "	May 7 "	"
5213	Lep. larvae found eating buds of Baby Rambler rose	Chicago "	" 5 "	"
5214	Crioceris asparagi, for life history	" "	" 12 "	"
5215	Halticus uhleri on smilax in greenhouse	Maywood "	" 22 "	"
5216	Gall on Rosa rugosa	Forest Glen "	" 24 "	"
5217	Galls on willow	Niles Center "	" 30 "	"
5218	Cecidomyiid pseudo-gall maker on soft maple leaves	Oak Park "	Jun. 3 "	"
5219	Galls on oak twigs	Aurora "	" 6 "	"
5220	Cerambycid borer in birch	Glenview "	" 9 "	"
5221	Oberea in Cornus	Chicago "	" 4 "	"
5222	Larvae infesting young shoots of Ptelea trifoliata	" "	" 14 "	"
5223	Webworms attacking cultivated asters	Oak Park "	May 24 "	"
5224	Leaf-crumplers on Crataegus	Chicago "	Jun 14 "	"
5225	Tortricid leaf-roller on "ninebark"	" "	" " "	"

REMARKS.	Accession Numbers.
	41514, 42461
	41516, 42466, 43043, 43073
	41517, 42154
	41523, 42491, 43171
	42449,
	41548, 42423, 42315, 42370
	41549, 42432
	41550, 42439
	43077
	43082
	43070
Dunning	41943, 41942
	43007, 41918, 41930, 41959, 41966
	43003
	43005, 41935, 41948, 42015-42017,
Riverdale	41935
	43071, 43111
	43125, 43126, 43131, 41939, 42048, 42049, 42391, 42416,
	40945, 41925, 41933
	41977, 41969
	43011, 41970
Dunning	
	41900, 41915, 41917
	41947, 41962, 42525-42527
	41928, 41951, 42018, 42019
	41938, 42043, 42044, 42045
	41915
	41921, 41951, 41952, 42042, 42044, 42045
	41957, 42034, 42037
	42038
	42046, 42047
Ninebark = Physocarpus opulifolius (Spiraea op.)	40414, 40415, 42035, 42038, 42023, 42024

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO.
5226	Plutella maculipennis on cabbage &c.	Lake Forest Ill.	Jun. 24 '08	Davis
5227	Sawfly larvae on Spiraea van houttei	Aurora "	" 26 "	"
5228	Spittle insects on Cornus	Oak Park "	" 28 "	"
5224	Leaf-roller on Cornus	" "	" " "	"
5230	Sawfly larvae on honeysuckle	Aurora "	" 30 "	"
5231	Leaf-miners in Cornus foliage	Chicago "	" 22 "	"
5232	Galls on twigs of willow	" "	" 15 "	"
5233	" " leaves " ash	Oak Park "	Jul. "	"
5234	Larvae in folded ash leaves	Chicago	Jun 14 "	"
5235	Leaf-rollers on Spiraea van houttei	Arlington Heights "	Jul. 8 "	"
5236	Leaf miners on oak	Chicago	Jun 21 "	"
5237	Case bearers on Cornus foliage	" "	" 22 "	"
5238	Thrinax larvae feeding on honeysuckle	Aurora "	" 30 "	"
5239	Dipterous leaf-miners in aster foliage	Morton Grove "	Jul. 9 "	"
5240	Larvae on Elm	Oak Park	Aug. 9 "	"
5241	" feeding on onion foliage	Morton Grove "	Jun. 29 "	"
5242	" " poplar	Chicago "	Jul. 29 "	"
5243	Dipterous puparia in manure pile in Stockyards	"	Aug. 10 "	"
5244	Dipt. puparia & maggots in refuse sweepings from packing house	"	" " "	"
5245	" " " " " " "	"	" " "	"
5246	maggots in refuse sweepings, containing hair, &c, from " "	"	" " "	"
5247	" " " human excrement	"	" " "	"
5248	" " decaying cabbage	"	" " "	"
5249	" " " misc. table slop	"	" " "	"
5250	Sesiid larva in ash branch	"	Sep. 28, 1908	
5251	Lepid. borer in stems of elder	"	" " "	"
5252	" " " "	"	Oct. 1 "	"
5253	Leaf-miners in leaves of Prunus sp.	" "	6 "	"
5254	Dipterous galls on leaf petioles of linden	"	8 "	"
5255	Woolly galls on oak leaves	"	10 "	"
5256	Lep. gall-maker in black locust	Kankakee "	" 14 "	"
5257	Cerambycid larva in dead post oak	"	15 "	"
5258	Eriophidion villosum in black oak	"	" " "	"
5259	Cerambycid borer in white birch	Kenwood "	" 20 "	"
5260	borers in Crataegus	Deerfield "	" 30 "	"
5261	Parasites (?) of cynipid gall-maker on oak	Oak Park "	" 23 "	"
5262	Cecidomyiid galls on willow branches	Riverside	Nov. 2 "	"
5263	Galls on willow twigs	"	" " "	"
5264	Lepid. pupa in burrow in linden	Crete "	" 5 "	"

REMARKS.	Accession Numbers.
	42005, 42006, 42091, 42505
	42009, 42016, 42039, 42055
	42043
	42017, 42026, 42052
	42041
	42059, 42508
	42060-42062, 42082, 42513, 42514, 42535
	42063, 42064, 42090
	42065
	42066, 42095, 42501
Riverdale	42510-42512
	42092, 42516
	42314
	42078, 42091
	42531, 42532, 42533, 42534
	42535
	42060, 42060, 42076
	42055
	42057
	42567, 42035
	42007, 42518
	42571
	42576
	41985
	42577
	42587, 42576
	42510
	42579
	42582, 42583
	42760, 41984, 42058
	42083
	42512, 42084, 42086, 42524
	42014
	41984, 42080
	42074
	40494, 40495, 40916, 40917
	40439, 40479
	40492

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER
5265	Coleopterous larvae in fungus growth	Crete, Ill.	Nov. 5 '08	Davis
5266	Galls on white oak leaves	"	" "	"
5267	Trypeta solidaginis galls on golden-rod	Niles Center "	Mar. 31, 1909	"
5268	Lepid. pupa in elm stump	Chicago "	Apr. 16 "	"
5269	" " from bark of elm	Oak Park "	" 19 "	"
5270	Larvae tying and eating leaves of elder	Chicago "	Sep. 21, 1908	"
5271	Cerambycid larva beneath bark of dying elm	" "	Apr. 16, 1909	"
5272	Lepid. galls on stems of Hydrangea	" "	May 12 "	"
5273	Sesiid ~~borers~~ in wild black cherry trunk	Riverside "	Nov. 6, 1908	"
5274	Cynipid galls on underside of oak leaf	Chicago "	Oct. 6 "	"
5275	Weevils infesting acorn	" "	" " "	"
5276	Cynipid galls on upper side of oak leaves	" "	" " "	"
5277	Rosette galls on oak leaves	" "	" 9 "	"
5278	Buprestid larvae in willow branches	" "	" " "	"
5279	Cerambycid " " oak "	Forest Glen "	" 10 "	"
5280	Cynipid galls on underside of oak leaves	" "	" " "	"
5281	" " " " " post oak "	Kankakee "	" 13 "	"
5282	" " " twigs of burr oak.	" "	" " "	"
5283	Cerambycid larvae in dead black oak	" "	" " "	"
5284	Buprestid & scolytid larvae in hickory	" "	" " "	"
5285	Sesiid borers in white ash.	" "	" 14 "	"
5286	Cynipid galls on underside of white oak leaves	" "	" " "	"
5287	Hymenopterous pupae, parasitic(?) on oak twig prunes	" "	" 15 "	"
5288	Cerambycid larvae in dead red-bud	" "	" " "	"
5284	" " " " wild grape	" "	" " "	"
5290	" " black oak	" "	" " "	"
5291	Buprestid " " poplar	Maywood "	" 19 "	"
5292	Cerambycid " " Crataegus	Chicago "	" 22 "	"
5293	Lepidopterous " infesting fungus	" "	" " "	"
5294	Elaphidion " " hickory	Chicago Heights "	" 28 "	"
5295	" " " oak	" "	" " "	"
5296	Oberea schaumii " " poplar	Edgebrook "	" 29 "	"
5297	Cerambycid " " willow	Niles Center "	Nov. 2 "	"
5298	Buprestid " " dead hickory	Crete "	" 5 "	"
5299	Cynipid galls on twigs of white oak	" "	" " "	"
5300	Dipt. maggots in dead chicken	Chicago "	Aug. 16, 1909	"
5301	" " " chicken manure	" "	" " "	"
5302	" " " decaying bread or cake	" "	" " "	"
5303	" " " vegetable slop	" "	" " "	"

REMARKS.	Accession Numbers.
	4190+-4.907, 42067
	43+78, +3+87
	40+58, 43+80
	41990
	+1975
	+1927, 4.750
	4.760
	+.111, +2057
	+.170, +2511
	+2032, +2030
	+.771
	4.747
	4.937, +.152, +.2067
	4.224
	+1776, +2003, +2600
	+203.1, +261
	+3+62, +.1[illegible], +.1[illegible] 4.1[illegible], +2[illegible]3, +251[illegible]
	+.1[illegible] +2[illegible], +[illegible]3, 42071
	4.18.
	+.1[illegible], +.1[illegible] +.22, +2[illegible]
	+.1[illegible], +2037
	4345, 41+3, +.1[illegible], +2[illegible]3, +2[illegible]3
	1.2671
	+.97 - +[illegible]
	4.[illegible]42[illegible], +2[illegible], +252, 42522, 4+003, 42064
	42120
	+205+, +[illegible]
	+1[illegible], +[illegible]
	+.[illegible], [illegible], +[illegible], +[illegible]
	+.[illegible]
	+.[illegible]
	+.[illegible], +[illegible]
	4.[illegible], +[illegible], +[illegible]
	+2223
	+[illegible]
	42556, +20[illegible], +2565, +2003
	+2561, +[illegible]
	42500, +[illegible]
	4+[illegible], +[illegible]

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
5304	Dipt. maggots & puparia in manure at city dump	Chicago, Ill	Aug 16 '09	Davis
5305	" " " in banana peels	" "	" 18 "	"
5306	" " " " potato "	" "	" " "	"
5307	" " sawdust containing various kinds of refuse	" "	" " "	"
5308	" " & puparia in rather clean sawdust fr. packing house	"	" " "	"
5309	" " in sawdust & wool	" "	" " "	"
5310	" " cooked potatoes	"	" " "	"
5311	" " " garbage can amongst chicken feathers	" "	" " "	"
5312	" " between leaves of rotting newspaper	" "	" " "	"
5313	" " in raw meat from packing house dump	" "	" " "	"
5314	" puparia in apparently clean sawdust back of meat market	" "	" " "	"
5315	" maggots in decaying bread	" "	" 20 "	"
5316	" " among bones in garbage heap	" "	" " "	"
5317	" " in cucumber among bones	" "	" " "	"
5318	"	" "	" " "	"
5319	human excrement	" "	" " "	"
5320	& eggs on decaying cat	" "	" " "	"
5321	" " in human excrement	" "	" " "	"
5322	meat in garbage can	" "	" " "	"
5323	eggs on fish heads	" "	" " "	"
5324	" maggots in dead rat	" "	" 23 "	"
5325		"	" " "	"
5326	" " " decaying oat chaff, probably sweepings	" "	" 25 "	"
5327	eggs on head [illegible]	" "	" 21 "	"
5328	" maggots & puparia in decaying bananas	" "	" " "	"
5324	" " in tankage dump (blood, bone & sand)	" "	" 25 "	"
5330	" " & eggs in cow manure	" "	" " "	"
5331	" " in horse manure	" "	" " "	"
5332	" " " garbage (vegetables, bones, &c)	" "	" 26 "	"
5333	" " " " (" & sawdust)	" "	" " "	"
5334	" " " horse manure at city dump	" "	" " "	"
5335	" " " human excrement	" "	" 25 "	"
5336	Diptera breeding in tubercular beef lung	" "	" " "	"
5337	Guinea pig confined with flies bearing tuberculosis bacilli	" "	" 30 "	"
5338	Acronycta populi (?) caterpillars on balm of Gilead	" "	" 31 "	"
5339	" " " " Carolina poplar	" "	" " "	"
5340	" " " " willow	" "	" " "	"
5341	Sawfly larvae feeding on foliage of Spiraea vanhouttei	" "	" 22 "	"
5342	Tortricid " " " " " " "	" "	" " "	"

REMARKS.	Accession Numbers.
J. 47th St.	42553, 42562, [illegible]
	[illegible]
	[illegible]
	42570, 42622, 42677
	[illegible]
	[illegible]
	42572, 42573, [illegible]
	[illegible]
	[illegible]
	42588
	[illegible]
	[illegible]
	42624, [illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	42627, 42643
	42626, 42640, 42683
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
Determine if resulting flies contain tuberculosis bacilli	
" transmission of tuberculosis by flies	
	[illegible]
	42655
	42650-42652

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER
5343	Webworms on elm	Chicago, Ill	Sep. 7 '09	Davis
5344	Dipterous eggs on dead rat	" "	" 1 "	"
5345	" "	" "	" " "	"
5346	maggots in horse manure	" "	" " "	"
5347	" " " "	" "	" 4 "	"
5348	" " " dead rat	" "	" 9 "	"
5349	" " " " "	" "	" " "	"
5350	Larvae feeding on nasturtium foliage	Oak Park "	" 20 "	"
5351	Galls on Rosa rugosa	Chicago "	" 28 "	"
5352	Tortricid larvae on Physocarpus opulifolius	" "	Oct. 4 "	"
5353	Dipterous maggots in horse manure	" "	Sep. 9 "	"
5354	" eggs " human feces	" "	" " "	"
5355	" maggots " garbage	" "	" " "	"
5356	" " " cooked peas	" "	" " "	"
5357	" " & puparia, in ashes with a very little veg. matter	" "	" 25 "	"
5358	" " in human feces	" "	" " "	"
5359	" " " sawdust with refuse, from saloon	" "	" " "	"
5360	Cerambycid larvae in prickly ash	Labrange "	Nov. 6, 1908	"
5361	Birch borer in birch	Glenview "	" 12 "	"
5362	Sesiid larvae in Viburnum lantana	Chicago "	" 13 "	"
5363	Cecidomyiid galls on branches of Cornus	" "	" " "	"
5364	Borers in Helianthus grosse-serratus	Aurora "	" 14 "	"
5365	Cecidomyiid galls on twigs of willow	Niles Center "	May 4, 1909	"
5366	Leaf-miners in leaves of elm	Oak Park "	" 14 "	"
5367	Galls on leaves of oak	" "	" 16 "	"
5368	" " " " "	" "	" " "	"
5369	" " " " "	" "	" " "	"
5370	" " " " willow	Aurora. "	Jun 12 "	"
5371	Phorbia ceparum puparia, for parasites	Niles Center "	Jul 13 "	"
5372	Cerambycid larvae boring in branches of white oak	Labrange "	Nov. 6, 1908	"
5373	Chips of walnut in which beetles were burrowing	Monee "	Oct. 16 "	"
5374				
5375				
5376				
5377				
5378				
5379				
5380				
5381				

REMARKS.	Accession Numbers.
	42653
	42687
	42081
	42633, 42682
	42693, 42697, 42676
	42685
	42675
	42687
	41994, 42028, 42029, 42078, 42081, 42511
	41983
	41973
	42672, 42673
	41997, 41998, 42502
	41967, 42067, 42509
	42485, 42512
	41931, 41967, 42062
	42060, 42061
	42484
	41953, 42504, 42506
	42528, 42529
or larvae.	41961
	41978

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER
5382				
5383				
5384				
5385				
5386				
5387				
5388				
5389				
5390				
5391				
5392				
5393				
5394				
5395				
5396				
5397				
5398				
5399				
5400	Coleophora malivorella on apple	Centralia, Ill.	May 12-14, 09	Girault
5401	Cacoecia on apple foliage	" "	" 12-14 "	"
5402	Mineola indiginella on apple foliage	" "	" 12-14 "	"
5403	Sanninoidea exitiosa on peach	" "	" 17 "	"
5404	Stagmomantis carolina on apple & peach	" "	" 12-17 "	"
5405	Thyridopteryx ephemeraeformis on willow	" "	" 15 "	"
5406	Xylina laticinerea on apple foliage; & others	" "	" 17 "	"
5407	Peronea minuta on apple foliage	" "	" 20 "	"
5408	Coleophora malivorella on apple	" "	" 21 "	"
5409	Ichneumonid parasite of Archips on apple	" "	" "	"
5410	Synanthedon pictipes on peach	" "	" 26 "	"
5411	Malacosoma americana on apple	" "	" 27 "	"
5412	Parasite of Megilla maculata	" "	" 17 "	"
5413	Malacosoma americana, for duration of pupal stage	" "	" 30 "	"
5414	Coleophora malivorella on apple	" "	" 31 "	"
5415	Archips sp. on apple, 1st generation	" "	Jun. 16 "	"
5416	" " " " " " for description of stadia	" "	" 17 "	"
5417	Coleophora malivorella & parasites	" "	" 18 "	"
5418	Apple leaf-roller	" "	" 11 "	"
5419	Coleophora malivorella, for description of stadia	" "	" 21 "	"
5420	Egg parasite of Tylloderma foveolatum	" "	" 19 "	"

REMARKS.	Accession Numbers.
	41603
	41632, 41633
	41619, 41621, 41671, 41672, 41662, 41663, 41664
	41635, 41622–41624
	41678
	41638, 41637
	41616
	41625–41627, 41630, 41631, 41635, 41636, 41638, 41640, 41642, 41644, 41645, 41647
	41607
	41620, 41628, 41629, 41639, 41677
	41600
	41667
	41676
	41643
	41651, 41652, 41654, 41655, 41656

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER
5421	Sanninoidea exitiosa cocoons from peach trees	Centralia, Ill	Jun. 25 '09	Girault
5422	Synanthedon pictipes " " " "	" "	Jul. 7 "	"
5423	Sanninoidea exitiosa cocoons from soil near peach trees	" "	" 15 "	"
5424	Misc. apple leaf-rollers	" "	" 19 "	"
5425	Parasite of Coccinella 9-notata adult.	" "	" 20 "	"
5426	Sanninoidea exitiosa pupae from soil near peach trees	" "	" 22 "	"
5427	Archips sp. on apple, 2d generation	" "	" 28-29 "	"
5428	Tachinid parasite of Mineola indiginella	" "	" 30 "	"
5429	Parasite of adult Coccinella sanguinea	" "	" 29 "	"
5430	Archips sp. on apple, 2d generation	" "	" 30-31 "	"
5431	Sanninoidea exitiosa, for mating time	" "	" 30 "	"
5432	" " , braconid parasite of larva	———	" 29 "	"
5433	" " for period of emergence of adult	Centralia, Ill.	1909	"
5434	" " " mating, oviposition, & egg stage	———	Aug. 24 '09	"
5435	Sitotroga cerealella & other granary insects, treated with normal CS_2 vapor	Bloomington, Ill.	Oct 1 "	"
5436	Sitotroga cerealella & other granary insects, treated with CS_2 vapor, 2.53# to 1000 cu ft.	" "	" 3 "	"
5437	" " " " " " " " " " " "	" "	" " "	"
5438	" " " " " " " " " " normal	" "	" 6 "	"
5439	Musca domestica & contact insecticides; mixed with manure infested	Urbana, Ill.	Sept. 15, 1909	"
5440	" " " " actual contact with maggot manured	" "	" " "	"
5441	" " " " " " " "	" "	Sept 18 "	"
5442	" " " " mixed with infested manure	" "	" 27 "	"
5443	Sanninoidea exitiosa, for duration of pupal stage	Centralia "	August "	"
5444	Granary insects & carbon disulphide vapor; 3lbs to 1000 cu ft	Bloomington Ill.	Oct 15 "	"
5445	" " " " " " " " " "	" "	" 17 "	"
5446	" " " " " " 4lbs " " "	" "	" 19 "	"
5447	" " " " " " 10lbs " " "	" "	" 26 "	"
5448	" " " " " " " " " "	" "	" 27 "	"
5449	" " " " " " 4+lbs " " "	" "	" 25 "	"
5450	" " " " " " 15lbs " " "	" "	" 29 "	"
5451	" " " " " " " " " "	" "	" 30 "	"
5452	Blattidae & sulphur fumes, 3 lbs to 1000 cu ft.	" "	Nov 2 "	"
5453	Granary insects & carbon disulphide, 20 lbs to 1000 " "	" "	" 3 "	"
5454	" " " " " " " " " "	" "	" 4 "	"
5455	" " " " 6⅔ " " " " "	" "	" 6 "	"
5456	" " " " 20 " " " "	" "	" 9 "	"
5457	" " " " 6⅔ " " " "	" "	" 10 "	"
5458	" " " " 20 " " " "	" "	" 11 "	"
5459	" " " " " " " " "	" "	Dec 10 "	"

REMARKS.	Accession Numbers.
	41655, 41660
	41657, 41658, 41659
	41672-41677
	41667
	41670
	41671
	41678

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5460	Granary insects + carbon disulphide 20lbs to 1000 cu ft.	Bloomington Ill	Dec. 24	A A Girault
5461	Corn seed soaked 5 min. in carbon disulphide (CS_2)	" "	Jan 16, 1910	" "
5462	Granary insects + carbon disulphide 20 lbs to 1000 cu ft.	" "	" 13 "	" "
5463	" " " " " " "	" "	Dec. 29, 1909	" "
5464	" " " " " " "	" "	" 30 "	" "
5465	" " " " " " "	" "	Jan. 1, 1910	" "
5466	Corn soaked 40 min. in carbon disulphide	Urbana "	Feb 9 "	" "
5467	Corn seed treated with carbon disulphide 30 lbs to 1000 cu ft.	Bloomington "	Jan 7 "	" "
5468	" " " " " " " "	" "	" 11 "	" "
5469	" " undried, soaked 40 min. in carbon disulphide	Urbana "	Feb 11 "	" "
5470	" " treated with oil of murbane, alcholic solution	" "	" 17 "	" "
5471	" " " " " " undiluted	" "	" " "	" "
5472	" " dried, soaked 40 min. in carbon disulphide	" "	" 18 "	" "
5473	" " " " 2 hrs. " " "	" "	Feb. 21 "	" "
5474	" " undried " " " " "	" "	" 22 "	" "
5475	" " dried " 24 " " "	" "	" " "	" "
5476	" " undried " " " " "	" "	" 23 "	" "
5477	Granary insects + CS_2, 20 lbs to 1000 cu ft, exposure 5 hrs.	Bloomington "	Jan 14 "	" "
5478	" " " " " " " 16 "	" "	" 16 "	" "
5479	" " " " " " " 24 "	" "	" 17 "	" "
5480	Corn seed, dried, soaked 2 hrs in air saturated with CS_2, then dried	Urbana "	Feb 25 "	" "
5481	" " " " 24 " " " " " " " "	" "	" 27 "	" "
5482	" " undried " " " " " " " "	" "	Mar 1 "	" "
5483	" " dried " 2 hrs in CS_2, then dried	" "	" 2 "	" "
5484	" " undried " " " " " "	" "	" " "	" "
5485	Granary insects + CS_2, 20 lbs to 1000 cu ft.	" "	" 3 "	" "
5486	Corn seed, dried, soaked 2 hrs in air saturated with CS_2, then dried	" "	" 7 "	" "
5487	" " , undried " " " " " " "	" "	" " "	" "
5488	" " " " " " " " " "	" "	" 8 "	" "
5489	Tribolium + Sulphur fumes, 1± lbs Sulphur to 1000 cu ft air	Bloomington Ill.	Jan 19 "	" "
5490	" " " " " " " "	Urbana "	Mar 11 "	" "
5491	Corn seed treated with oil murbane, alcholic solution	" "	" " "	" "
5492	" " undried, soaked 3 hrs in air saturated with CS_2	" "	" 14 "	" "
5493	Tribolium + Sulphur fumes, 1± lbs Sulphur to 1000 cu ft air	" "	" 12 "	" "
5494	Granary insects + CS_2, 20 lbs to 1000 cu ft.	" "	" 16 "	" "
5495	Corn seed treated with oil of murbane, alcohlic solution	" "	" 29 "	" "
5496	Granary insects + CS_2, 20 lbs to 1000 cu ft. air, exposure 48 hrs.	" "	" 30 "	" "
5497	" " " " " " " "	" "	April 2 "	" "
5498	" " " " " " " "	" "	" 12 "	" "

REMARKS.	Accession Numbers.
Girault's Exp x	
Girault's Exp 3 x	
" " z	
" " x x	
" " z z	
Girault's Exp I	
" " II	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5499	Granary insects + CS_2, 20 lbs to 1000 cu ft. air exposure 24 hrs	Urbana Ill	Apr. 14, 1910	A A Girault
5500	Corn seed treated with oil of mirbane undiluted	" "	Feb 15 "	" "
5501	" " " " " " 10% + 50%	" "	Apr 28 "	" "
5502	Granary insects + CS_2, 4 lbs to 1000 cu ft. air	Bloomington Ill.	Oct 28, 1909	" "
5503	" " " 15 lbs " " "	" "	Nov 13 "	" "
5504	" " " 20 lbs " " "	" "	Dec 13 "	" "
5505	" " " " " " "	" "	" 21 "	" "
5506	" " sulphur fumes 1+ lbs to 1000 cu ft.	Urbana "	May 4, 1910	" "
5507	" " " " 0.63 lbs. " " "	" "	" 5 "	" "
5508	Carbon disulphide, evaporation in relation to shape of container	" "	" " "	" "
5509	Granary insects + CS_2, one lb. to 1000 cu ft air	" "	" 6 "	" "
5510	" " " " " " " " "	" "	" 27 "	" "
5511	" " " " " " " " "	" "	Jul 28 "	" "
5512	" " " Nicofume, 0.75 oz to 1000 cu ft air	" "	" 29 "	" "
5513	" " " " 1.25+ oz " " "	" "	Aug 1 "	" "
5514	" " " CS_2 — lbs to " " "	" "	" 2 "	" "
5515	" " " Nico fume — lbs to " " "	" "	" 4 "	" "
5516	" " " sulphur fumes — lbs to 1000 cu ft air	" "	" 6 "	" "
5517	" " " hydrocyanic acid gas — oz cyanide to 100 " "	" "	Aug 9 "	" "
5518	" " " " " " 1+ oz " " " "	" "	" 10 "	" "
5519	Gas tar, and gas tar and oil, as barriers.	" "	" 10 "	" "
5520	Granary insects + hydrocyanic acid gas, 2+ oz cyanide to 100 cu ft. air.	" "	" 11 "	" "
5521	" " " " " " " " " " "	" "	" 12 "	" "
5522	Gas tar, and gas tar and oil mixtures as barriers	" "	" 15 "	" "
5523	Insect eggs + hydrocyanic acid gas, 1+ oz. cyanide	" "	" 16 "	" "
5524	Blattids + A. D. S. Insect Powder	Chicago, "	Sept. 13, "	" "
5525	" " Smithsonian Cockroach Powder	" "	" 14 "	" "
5526	Insect eggs + hydrocyanic acid gas, 1+ oz. cyanide	Urbana, "	" 19 "	" "
5527	Granary insects + eggs, + sulphur fumes, 1+ lbs to 1000 cu. ft. air.	" "	" 21 "	" "
5528	" " " " + " oil " 1+ oz. to 100 " "	" "	" 23 "	" "
5529	Household insects + patent insecticides	" "	" 15, "	" "
5530	Granary insects, + hydrocyanic acid gas, 1+ oz. cyanide.	" "	" 26, "	" "
5531	" " " " " " 2+ " " "	" "	" " "	" "
5532	" " " buhach (pyrethrum), 1/3 lb. to 1000 cu. ft.	" "	Sept. 30, "	" "
5533	" " " hydrocyanic acid gas, 1+ oz. cyanide to 100 cu. ft.	" "	Oct. 11, 1910	" "
5534	" " " " " " " " " " "	" "	" 3, "	" "
5535	" " " sulphur fumes, 1+ lb. to 1000 cu. ft.	" "	" 5, "	" "
5536	" " " " " " " " " "	" "	" 8, "	" "
5537	" " " " " " " " " "	" "	" 10, "	" "

REMARKS.	Accession Numbers.
Time Reduced.	
Time increased, for injury to grain.	
Time Reduced, insects protected.	
" " "	
For tarnishing effects.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5538	Granary Insects + sulphur fumes, 1+ lb. to 1000 cu. ft.	Urbana, Ill.	Oct. 14, 1910	A. A. Girault
5539	" " " Nicoticide 1/2 oz. " " "	" "	" 21, "	" "
5540	" " " mercuric chloride, 2+ oz. to " "	" "	" 22, "	" "
5541	" " " carbon disulphide, 1 lb. " " "	" "	" 24, "	" "
5542	" " " sulphur fumes, 1+ lb. to " "	" "	" 25, "	" "
5543	" " " " " " " " " "	" "	" 26, "	" "
5544	" " " hydrocyanic acid gas, 1+ oz. " 100 "	" "	" " "	" "
5545	" " " sulphur fumes, 1/4 lb. to 1000 "	" "	Nov. 4, "	" "
5546	" " " formaldehyde, 4+ oz. " " "	" "	" 4, "	" "
5547	" " " " " " " " "	" "	" 7, "	" "
5548	" " " Nimm's Culicide, 3+ oz. " " "	" "	" 9, "	" "
5549	" " " " " 3 oz. " " "	" "	" 10, "	" "
5550	" " " carbon disulphide, 15 lbs. " " "	" "	" 11, "	" "
5551	" " " " " " " " "	" "	" 12, "	" "
5552	" " " " " 13+ " " " "	Rochelle, "	" 15, "	" "
5553	" " " hydrocyanic acid gas, 2+ oz. " 100 "	Urbana, "	" 19, "	" "
5554	" " " " " " " " " "	" "	" 21, "	" "
5555	" " " sulphur fumes, 1+ lb. to 1000 "	" "	" 23, "	" "
5556	" " " formaldehyde, 15 oz. " " "	" "	" 27, "	" "
5557	" " " sulphur fumes, 1+ lb. " " "	" "	" 30, "	" "
5558	" " " carbon disulphide 1 lb. " " "	" "	Jan. 26, 1911.	" "
5559	" " " " " 5 lbs. " " "	" "	" 27, "	" "
5560	" " " " " 10 " " 1000 "	" "	" 30, "	" "
5561	" " " " " 1 " " " "	" "	Feb. 1, "	" "
5562	" " " " " 5 " " " "	" "	" 2, "	" "
5563	" " " " " 10 " " " "	" "	" 8, "	" "
5564	" " " " " 1 " " " "	" "	" 9, "	" "
5565	" " " " " 5 " " " "	" "	" 10, "	" "
5566	" " " " " 10 " " " "	" "	" 13, "	" "
5567	" " " " " " " " " "	" "	" 14, "	" "
5568	" " " " " " " " " "	" "	" 16, "	" "
5569	Corn seed treated with gasoline	" "	" 23, "	" "
5570	Roaches, attempt to exterminate them	" "	Apr., May. "	" "
5571	Lachnosterna, mating pairs, from honey locust	" "	May 9, "	" "
5572	" " " " hickory	" "	" " "	" "
5573	" " " " linden	" "	" " "	" "
5574	" " " " "	" "	" " "	" "
5575	" " " " "	" "	" " "	" "
5576	" " " " honey locust.	" "	" 12, "	" "

REMARKS.	Accession Numbers.
Four of sulphur.	
Four of sulphur, Reduced exp., supplementary.	
E. Price's Formaldehyde Fumigator.	
" " "	
Ediculus	
"	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
5577	Lachnosterna, mating pairs, from willow	Urbana, Ill.	May 12, 1911	A. A. Girault
5578	" " " " white birch	" "	" " "	"
5579	" " " " linden	" "	" " "	"
5580	" from various trees, quantitative feeding test	" "	" 14, "	J. J. Wile
5581	" hirticula, mating pairs, from oak	" "	" 15, "	A. A. Girault
5582	" " " " " willow	" "	" " "	"
5583	" sp. " " " hickory	" "	" " "	"
5584	" hirticula, " " " willow	" "	" " "	"
5585	" ? inversa, " " " "	" "	" 16, "	"
5586	" " " " " elm	" "	" " "	"
5587	" hirticula, " " " willow	" "	" 17, "	"
5588	Ants treated with cumulative poisons	" "	" 23, "	"
5589	Chinch bugs dipped in scalecide, iron sulphate & water	Coulterville, "	June 14, "	"
5590	" " treated by spraying infested corn with scalecide	" "	" 15&14, "	"
5591	" " " " " " " " iron sulphate	" "	" 15&16, "	"
5592	Lachnosterna inversa	Urbana, Ill.	" 24, "	"
5593	" fusca	" "	" 27, "	"
5594	" "	" "	" " "	"
5595	Chinch bugs treated by spraying infested corn with "Black-leaf 40"	Coulterville, "	" 16&17, "	"
5596	Musca domestica maggots in horse manure, treated with hydrated lime	Urbana, "	Aug. 2, "	"
5597	" " " " " " " " "	" "	" " "	"
5598	" " " " " " " " "	" "	Aug. 3, "	"
5599	" " puparia " " " " " "	" "	" 7, "	"
5600	Bill bugs, two pairs in copula, from corn	Chadwick, Ill	Jun 7, '09	Sanborn
5601	" " three " " " " "	" "	" " "	"
5602	Wireworms from cornfield	Tampico "	" 8 "	"
5603	Dipterous puparium from corn hill	Chadwick "	" 7 "	"
5604	Coleopterous pupae from corn hill	Tampico "	" 8 "	"
5605	Beetles from corn hill	" "	" " "	"
5606	Dipterous puparia from hill of dead corn	" "	" " "	"
5607	Pseneocerus supernotatus egg	Exp. 51146	" 14 "	Sanborn
5608	White grubs from cornfield	Chenoa, Ill.	" 11 "	"
5609	Tent caterpillars on unknown shrub	Vandalia "	" 13 "	"
5610	Rhopalosiphum rhois on sumac	" "	" " "	"
5611	Neoclytus erythrocephalus adults	Exp. 4814	" 1 "	"
5612	" " larvae	" 5611	" 16 "	"
5613	" " adults	" 4814	" 9 "	"
5614	" " "	Exp. 4814&5611	" " "	"
5615	" " "	" 4811+4814	" 3 "	"

REMARKS.	Accession Numbers.
-n layers, 5 lbs., 1 lb. to each 5 of manure.	
Mixed, 15 lbs., 1 " " " " " "	
& layers, 5 " " " " " " " "	
Mixed, 20 " " " " " " " "	
	42206
	42203
	42158, [illegible]
arm of St. Emil	42370
ield of Adolph Binder	42210
ame species as 5604	42164, [illegible]
	42168
	42455
	42118, 42340, 42347, 42353, 42305
	42119
	41557, 41576
	[illegible]
	42153, [illegible]
	41571

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5616	Lachnosterna larvae	—— Ill.	Jun. 17 '09	Sanborn.
5617	Dipterous puparia in hills of corn	Aurora, "	" 15 "	"
5618	Elaterid larvae " " " "	Hendrix "	" " "	"
5619	Melanotus " " " " "	Arlington "	" " "	"
5620	Crioceris asparagi eggs + larvae, on asparagus	Naperville, "	" 14 "	"
5621	Oberea adults	——	" 17 "	"
5622	" eggs	Exp. 5621	" " "	"
5623	Aphis rumicis on Rumex crispus	Aurora, Ill.	" 16 "	"
5624	Elaterid larvae on corn roots	" "	" " "	"
5625	Clerid eggs in elm twig	Exp. 5055c	" 17 "	"
5626	Neoclytus erythrocephalus larvae	" 5613	" " "	"
5627	Hymenopterous galls on oak leaves	Shawneetown, Ill	" " "	"
5628	Hymenopterous? " " " "	" "	" " "	"
5629	Pemphigus vagabundus adult + larvae in gall on cottonwood	" "	" " "	"
5630	Geometrid larvae on elm leaves	Decatur, Ill	" 18 "	"
5631	Magdalis adults from elm	" "	" 17-18 "	"
5632	White grubs in clover field	Aurora "	" 19 "	"
5633	Lachnosterna female, gravid	" "	" " "	"
5634	Melanotus larvae, nearly grown	" "	" " "	"
5635	Neoclytus erythrocephalus, pair of adults	Exp. 4814	" 21 "	"
5636	Fungus larvae exposed to parasites	Exp. 4369 + 4990	" 22 "	"
5637	Pemphigus populivenae on cottonwood	Shawneetown, Ill.	" 17 "	"
5638	" populicaulis " "	" "	" " "	"
5639	" populitransversus " "	" "	" " "	"
5640	Callipterus ulmifolii, adult + larvae, on elm	Urbana "	" 23 "	"
5641	Serpentine leaf-miner pupae on cottonwood	Shawneetown "	" 17 "	"
5642	Dipterous adults	Exp. 903	" 23 "	"
5643	Macrodactylus, adult pair	Tamplico, Ill	" 21 "	"
5644	Flea-beetles from morning-glory	Hendrix "	" 23 "	"
5645	"	" "	" " "	"
5646	Macrodactylus adults from cornfield	" "	" 24 "	"
5647	" " " "	" "	" " "	"
5648	Macrosiphum granaria from wheat	Nebo "	" 26 "	"
5649	Buprestid adults	Exp. 4811	" 28 "	"
5650	Lachnosterna hirticula adults from hickory	Carbondale, Ill	" 26 "	"
5651	Colaspis brunnea larvae from corn	Wyoming "	" 27 "	"
5652	Sphinx catalpae larvae from catalpa	Parker "	" 29 "	"
5653	Lepidopterous larvae from willow	Grayville "	" 30 "	"
5654	" " " black locust	" "	" " "	"

REMARKS.	Accession Numbers.
	42[illegible]
	42107
	42[illegible]
	42[illegible]
	42[illegible]
	42132, 42140
	42[illegible]
	43[illegible]
	42[illegible]
Distal gall on twig.	42144, 42197
	42487
	42145, 42156, 42195, 42196, 42240, 42243 42267, 42271
	42[illegible]
	42[illegible]
	43034
	42235, 42444, 43104
	43[illegible]
	42[illegible]
	42[illegible]
	42[illegible]
	42207
	42252, 42272
	42[illegible], 42280
	42[illegible], 42282, 4283[illegible]
	42373
	43106
	42228
	42214, 42258, 42271, 42[illegible]-42[illegible], 42[illegible] 42403, 42420, 43[illegible]-43020
	42240

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
5655	Lepidopterous larvae on wild cherry	Bloomington, Ill	Jul. 4 '09	Sanborn
5656	" " " apple	Phoenix "	" 2 "	"
5657	Scurfy scale on apple	Pittsfield "	" 1 "	"
5658	Lepidopterous larvae on honey locust	Carbondale "	" 6 "	"
5659	Plaster paris, in 10-in. tile, test of water movement in soil	Urbana "	Feb. 13 "	"
5660	Seed-corn treated with aphenite	" "	Mar. 19 "	"
5661	" " " " in water	" "	Apr. 19 "	"
5662	" " " asafoetida	" "	May 4 "	"
5663	"	" "	" " "	"
5664	" " " "	" "	" 22 "	January
5665	"	" "	" " "	"
5666	" "	" "	" " "	"
5667	" "	" "	" " "	"
5668	" " "	" "	" " "	"
5669	" " " bone meal	" "	Apr. 5 "	Sanborn
5670	" " oil of citronella & bone meal	" "	" 19 "	"
5671	" " tansy " "	" "	" " "	"
5672	" " citronella " "	" "	" " "	"
5673	" " " calcium carbide	" "	" 5 "	"
5674	" " " capsicum	" "	" 19 "	"
5675	" " " carbon disulfide	" "	" 1 "	"
5676	" " " " "	" "	" 5 "	"
5677	" " " castor oil	" "	" 17 "	"
5678	" " " " "	" "	" 24 "	"
5679	" " "	" "	" " "	"
5680	" " " "	" "	" " "	"
5681	" " " " & coal tar	" "	" " "	"
5682	" untreated, check lot	" "	" " "	"
5683	" " " "	" "	" " "	"
5684	" " " "	" "	" " "	"
5685	" " " "	" "	" " "	"
5686	" treated with coal tar	" "	Mar. 30 "	"
5687	" " " " "	" "	" " "	"
5688	" " " " "	" "	" " "	"
5689	" " " " "	" "	Apr. 17 "	"
5690	" " " " "	" "	" 19 "	"
5691	" "	" "	" 24 "	"
5692	" "	" "	" " "	"
5693	" " " insect powder	" "	" 25 "	"

REMARKS.	Accession Numbers.
	42201

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5694	Seed-corn treated with iron sulfate	Urbana, Ill.	Apr. 19, 09	Sanborn
5695	" " " liquid smoke	" "	Mar. 30 "	"
5646	" " " " "	" "	Apr. 19 "	"
5697	" " " oil of citronella	" "	" 5 "	"
569	" " " " " "	" "	" 19 "	"
5699	" " " " " "check plot"	" "	" " "	"
5700	" " oil of citronella emulsion	" "	" 23 "	"
5701	" " " " " "	" "	May 3 "	"
5702	" " " " " 5% solution	" "	" " "	"
5703	" " " " " " 10% "	" "	" " "	"
5704	" " " " " " 20% "	" "	" " "	"
5705	" " " " " " 40% "	" "	" " "	"
5706	" " " " " " 50% "	" "	" " "	"
5707	" " " " lemon " stock solutions	" "	Apr. 23 "	"
5708	" " " " " 10% solution	" "	" 24 "	"
5709	" " " " " " 20% "	" "	" " "	"
5710	" " " " " " 30% "	" "	" " "	"
5711	" " " " " " 40% "	" "	" " "	"
5712	" " " " " " 50% "	" "	" " "	"
5713	" " " " " tansy " stock solution	" "	" 23 "	"
5714	" " " potassium cyanide "	" "	" 12 "	"
5715	" " " " " "	" "	" " "	"
5716	" " " " " "	" "	" 24 "	"
5717	" untreated, check plot.	" "	" 25 "	"
5718	" treated with spirits of camphor	" "	" 19 "	"
5719	" " " oil of tansy	" "	" " "	"
5720	" " " " " "	" "	" " "	"
5721	" " " tansy herbs	" "	May 3 "	"
5722	" untreated, check plot	" "	" " "	"
5723	" treated with vaporite	" "	Mar. 19 "	"
5724	" " " "	" "	Apr. 19 "	"
5725	" " " vermicide	" "	" " "	"
5726	" " " "	" "	" " "	"
5727	Coleopterous larvae on apple	Carbondale, "	Jul. 9 "	"
5728	Tenthredinid larvae on elm	Decatur "	" " "	"
5729	Lepidopterous larvae on linden	" "	" " "	"
5730	Dipterous larvae in galls on maple	" "	" " "	"
5731	Elaterid larvae from corn hills	New Bedford "	" 10 "	"
5732	Pemphigus populicaulis on cottonwood	Carbondale "	" 6 "	"

REMARKS.	Accession Numbers.
	42256
	42262
	42321, 42435
	41492, 43072
	42312-42314, 42335, 42344

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
5733	Pemphigus populitransversus on cottonwood	Carbondale, Ill	Jul. 9 '09	Sanborn
5734	Lepidopterous larvae on cottonwood	" "	" " "	"
5735	Chrysopid cocoon from pear	Elgin "	" 12 "	"
5736	Saw-fly larvae from willow	Carbondale "	" 13 "	"
5737	Lepidopterous larvae on grape	"	" " "	"
5738	Megachile nests from wall of house containing parasitized [larvae	DeKalb	" " "	"
5739	Ephestia kuehniella larvae in shorts	Quincy "	" " "	"
5740	Ant-repellant test of acid phosphate	Urbana "	Feb. 23 "	Jamguar
5741	" " " asafoetida	" "	May 4 "	"
5742	" " " tincture of asafoetida	" "	" 25 "	"
5743	" " " apterite	" "	Mar. 5 "	"
5744	" " " oil of mirbane	" "	Jun. 30 "	"
5745	" " " ammonium sulphate	" "	Feb. 23 "	"
5746	" " " bone meal	" "	" 18 "	"
5747	" " " "Fertilizer #2" (bone meal)	" "	" 4 "	"
5748	" " " camphor gum	" "	Jan. 29 "	"
5749	" " " chloride of lime	" "	Feb. 1 "	"
5750	" " " coal tar	" "	Mar. 15 "	"
5751	" " calcium carbide	" "	Apr. 1 "	"
5752	" " carbon disulphide	" "	Mar. 26 "	"
5753	" " " sat. solution of camphor	" "	Apr. 20 "	"
5754	" " " capsicum	" "	" 22 "	"
5755	" " " dried blood	" "	Feb. 23 "	"
5756	" " " "Fertilizer No. I"	" "	" — "	"
5757	" "	" "	" 3 "	"
5758	" " " formic acid	" "	———	"
5759	" " " ground limestone	" "	Feb. 22, '09	"
5760	" " " pyrethrum powder	" "	Apr. 24 "	"
5761	" " " iron sulphate	" "	" 22 "	"
5762	" " " kerosene	" "	Jan. 13 "	"
5763	" " " kainit	" "	Feb. 23 "	"
5764	" " liquid smoke	" "	" 2 "	"
5765	" " " linseed oil	" "	Jan. 15 "	"
5766	" " " lemon peeling	" "	Apr. 28 "	"
5767	" " " orange "	" "	" " "	"
5768	" " " water (check exp.)	" "	Jan. 13 "	"
5769	" " " oil of citronella	" "	Mar. 1 "	"
5770	" " " " " "	" "	" 2 "	"
5771	" " " " " lemon	" "	———	"

REMARKS.	Accession Numbers.
	42330
	42302, 42305, 42307, 42308, 42309, 42328, 42394, 42397, 42401, 42410, 42427, 43036
	42399
	42273, 42348, 42408, 42412, 42481, 43023–43026, 43030, 43042, 43052, 43055, 43056, 43088
	42295, 42337, 42368–42372, 42378, 42411, 42434
	42283, 42327
	42284

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
5772	Ant repellant test of oil of lemon	Urbana, Ill.	Apr. 25 '09	Sanguan
5773	" " " " " "	" "	" 26 "	"
5774	" " " " " " + bone meal	" "	Feb. 24 "	"
5775	" " " " " " " wood ashes		" "	"
5776	" " " " " "	" "	May 1 "	"
5777	" " " " " "	" "	" 27 "	"
5778	" " " " " tansy	" "	Apr. 1 "	"
5779			" 22 "	"
5780	" " " potassium sulphate	" "	Feb 9 "	"
5781	fine ' '	" "	Mar. 2 "	"
5782	" " " rock phosphate	" "	Feb. 22 "	"
5783	" " " sheep manure (kiln dried)	" "	" 23 "	"
5784	" " " " " " "	" "	May 25 "	"
5785	" " " sodium nitrate	" "	Feb. 24 "	"
5786	" " " "ant skidoo"	" "	Jun. 29 "	"
5787	" " " tobacco	" "	Feb. 2 "	"
5788	" " " tankage	" "	" 18 "	"
5789	" " " tansy tea	" "	May 24	"
5790	" " " vaporite	" "	Mar. 5 "	"
5791	" " " vermicide	" "	Apr. 14 "	"
5792	wood ashes	"	Feb. 23 "	"
5793	Sphinx larva found on ground	" "	Jul. 24 "	Hart
5794	Cryptorhynchus lapathi in willow	Chicago "	" 12 "	"
5795	Leaf miners in cottonwood	Urbana "	" 26 "	"
5796	Datana larvae from walnut	" "	" 28 "	"
5797	Lachnosterna adult, dead, with dipterous parasite	Bloomington "	" " "	"
5798	Cicada nymph found on surface of ground	Urbana	Aug. 2	J. J. Hood
5799	Hyloicus chersis larva taken on sidewalk	" "	" 3 "	Hood & Hart
5800	Tabanid larva said to bore in cornstalks	Kankakee "	Jul. 24 "	"
5801	Chrysopid cocoons with Glyphina ulmicola galls	Hampshire "	" 22 "	"
5802	Rhynchophorous larvae found in & near timothy bulbs	Chadwick "	Aug. 3 "	Hart
5803	Coleopterous pupae " " " " " "	" "	" " "	"
5804	Lepidopterous pupae found 2 in. down in field	"	" " "	"
5805	Coleopterous " " near timothy roots	" "	" " "	"
5806	Lachnosterna parasites among grass roots under poplar	" "	" " "	"
5807	Myzine cocoon from field infested with white grubs	Aurora "	May 11 "	"
5808	" adults placed with Lachnosterna larvae	Bloomington "	Aug. 6 "	"
5809	Wasp brood-chambers in dead ("doted") poplar limb	" "	" 7 "	"
5810	Lepid. pupae sent with 42438 (timothy Sphenophorus)	" "	" " "	"

REMARKS.	Accession Numbers.
	42352, 42407
	42339
from cornfield	
	42432
	42431
E. Sanders, coll. (field of H. Smith)	42417, 42427
" " " " "	
" " " " "	42418, 42440, 42472, 42473
" " " " "	42438
" " " " "	
" "	
Flint & Sanders, coll.	42433
Sanders, coll.	"
" "	42441

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
5811	Leaf miners from apple	Carbondale, Ill.	Jul. 17, 09	Hart
5812	Myzine females placed with Lachnostena larvae of fusca group	Bloomington "	Aug. 9 "	"
5813	Myzine males, swarming on lower leaves of plants	" "	" 10	"
5814	Coleopterous pupae in timothy sod	" "	" 13 "	"
5815	" larvae	" "	" " "	"
5816	Lepidopterous pupae	" "	" " "	"
5817	Dipterous puparia in Lachnostena adult remains	" "	" " "	"
5818	Stagnomantis carolina nymphs	Pulaski "	" 10 "	"
5819	"Athous" larva (wireworm) in pot in insectary	———	———	"
5820	Coleopterous pupae + larvae + dipterous puparia, [from borings in stem of Panicum crus-galli	Chadwick, Ill.	Aug. 21 '09	"
5821	Hymenopterous pupae taken in timothy sod near bodies of dead, [Lachnostena adults	" "	" " "	"
5822	Lachnostena gibbosa larvae, cornfield	Aurora "	" 18 "	"
5823	Lepidopterous pupa from among Panicum crusgalli roots	Chadwick "	" 21 "	"
5824	Decaying potatoes infested with Diptera &c.	Urbana "	" 22 "	"
5825	Lepidopterous pupa in old oak log	Dubois "	" 21 "	"
5826	" larva on apple	Waverly "	" 1 "	"
5827	Bagworm larvae from box elder	Springfield "	Sep. 10 "	"
5828	" pupae " " "	" "	" "	"
5824	Red clover leaf roller larvae	Bloomington "	" 6 "	"
5830	Bagworms, misc., from correspondents	S. Ill.	Aug & Sep.	"
5831	Ephestia interpunctella larvae & pupae from outside of bags of corn	Bloomington, Ill.	Sep. 16 "	"
5832	Angoumois grain-moth in stored corn	" "	" " "	"
5833	Cutworm for parasites	" "	" 11 "	"
5834	Insect eggs in twigs of "s" hickory	Levings "	Jan. 10, '10	"
5835	Scolytid larvae & adults in bark of dead young hackberry	Mounds "	" 7 "	"
5836	Powder-post beetle larvae in trunk of dead young white ash	" "	" 7 "	"
5837	" " " " " " " live young hickory	" "	" " "	"
5838	Dorcaschema larvae in trunk & branches of mulberry	Dongola "	" 12 "	"
5839	Scolytid adults in bark of black oak	" "	" " "	"
5840	Buprestid larvae in sap wood & inner bark of young maple	Metang "	" 14 "	"
5841	Cerambycid larvae in trunk and sap wood of young ash	Balcom "	" 15 "	"
5842	" " powder-post larvae in sap wood of girdled hickory	Jonesboro "	" " "	"
5843	" pupae in hickory & oak branches	Thebes "	" 20 "	A. G. Vestal
5844	Powder-post larvae in hickory trunk	" "	" " "	"
5845	Cerambycid larvae, in live beech trunk	" "	" " "	"
5846	Lepidopterous larvae in honey locust seed pods	Grand Tower "	" 25 "	"
5847	Goes sp.? larvae in hickory trunk	" " "	" " "	"
5848	Cerambycid larvae in hickory branches	" " "	" " "	"
5849	Buprestid larvae, bark of dogwood limbs	" " "	" " "	"

REMARKS.	Accession Numbers.
	43018, 43021
	43052, 43057
f. wild lettuce (Lactuca canadensis) + musk thistle (Carduus nutans)	43061
Sanders, coll.	43063, 43064, 43075
" "	43066, 43071, 43077
" "	43080, 43081, 43085
" "	
Hood + Vestal, coll	43071, 43083
Sanders, coll.	43090
" "	43096
" "	43106
" "	43097
	43014, 43048, 43050, 43053, 43054, 43070, 43076, 43077, 43092
Vestal, coll.	43076
Dillon "	43057
Vestal "	43078
" "	43086, 43090, 43094, 43104, 43105
Flint + Sanders, coll. 75% of 2d growth injured.	
	43054, 43087
Flint + Sanders coll from Funk Bros warehouse	43081, 43091, 43110
" " "	43073, 43110
" " "	43075
" coll.	43058, 43059
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" "	
" " Phytophthorus fruinosus?	
" " High land.	
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N.P. Flint coll.	
" "	43104, 43126, 43132, 43145, 43154, 43175, 43182.
" "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
5850	Cerambycid larvae in black oak sprouts	Grand Tower, Ill	Jan. 25, 1910	A. G. Vestal
5851	Buprestid larvae in hickory trunk	Howardton "	" 26 "	"
5852	Coleopterous larvae in tulip stump	" "	" " "	"
5853	Goes sp? larvae in white oak trunk	" "	" " "	"
5854	Buprestid larvae, inner bark of B. oak	Grand Tower "	" 27 "	"
5855	Powder-post larvae, branches of cut hickory	" " "	" " "	"
5856	Neoclytus erythrocephalus, larvae, bark and sapwood of overcup oak dead	" " "	" " "	"
5857	Scolytid adults, bark of dead redbud	Murphysboro "	" 28 "	"
5858	Neoclytus sp.?, larvae in white oak trunk	" "	" " "	"
5859	Insect larvae in dead black oak trunks	Alto Pass "	Feb. 1 "	"
5860	Cerambycid larvae, bark of black walnut	Murphysboro "	" 4 "	"
5861	Parasites on buprestid, bark of red oak	" "	" " "	"
5862	Neoclytus sp.?: larvae in sapwood, other larvae dead persimmon in bark,	" "	" " "	"
5863	Scolytid? larvae in outer bark of live W. oak	Chester, "	" 7 "	"
5864	Powder-post larvae, young dead white oak trunks	" "	" " "	"
5865	Lepidopterous larvae, bark of black oak	Riley's Lake "	" 8 "	"
5866	Goes sp.? larvae in black + red oak	" " "	" " "	"
5867	Insect larvae, decayed wood in live red oak	Fort Gage "	" " "	"
5868	" " in dead heartwood of live white oak	" " "	" " "	"
5869	Buprestid larvae, trunk of large honey locust	Modoc "	" 9 "	"
5870	" " + adults, trunk of dead red bud	Evansville "	" 11 "	"
5871	Cerambycid larvae, heart + sapwood of dead bl. walnut	Chores "	" 12 "	"
5872	Cerambycid larvae, in D. (?=dead) red mulberry	" "	" " "	"
5873	Buprestid + other beetle larvae in post oak trunk	New Athens "	" 14 "	"
5874	Scolytid larvae in outer bark of red maple	Clark "	Jan. 8 "	"
5875	Powder-post larvae in sassafras killed by fire in 1908	Ambrose "	" 10 "	"
5876	Magdalis? pupae in bark of girdled elm	Oquawka "	Apr. 15 "	"
5877	Cynipid larvae from twigs of black oak	Savanna	" 21 "	"
5878	Agrilus? in white ash trunk	" "	" " "	"
5879	Coleopterous larvae in trunk of dead white birch	" "	" 25 "	"
5880	Lepidopterous larvae in small branches of black oak	" "	" " "	"
5881	" " from galls on white oak	Elizabeth "	" 27 "	"
5882	Buprestid larvae + pupae, trunk of prickly ash	" "	" " "	"
5883				"
5884	Scolytid larvae in branches of white pine	Stratford "	May 3 "	"
5885	" adults in bark of white pine	" "	" " "	"
5886	" " " " + sapwood of juniper	" "	" " "	"
5887	Cerambycid larvae in trunks of dead pine	" "	" " "	"
5888	" pupa from bark of dead pine	" "	" 4 "	"

REMARKS.	Accession Numbers.
; P. Flint, Coll.	43923, 44003, 44004, 44010, 45004, 45023, 45024.
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" "	Sinoxylon sp.?
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" "	44126, 44213, 44214
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EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
5884	Hylobius pales?, bark of white pine	Stratford, Ill.	May 4. 1910	A. G. Vestal
5890	Cerambycid pupae from pine sapwood	" "	" " "	"
5891	Insect larvae from oak stump	Freeport "	" 2 "	"
5892	Goes pupa from cell in hickory	Elizabeth "	Apr. 28 "	"
5893	Cerambycid larva, bark of white pine	Stratford "	May 4 "	"
5894	Scolytid adults in dead mulberry	Mt. Carmel "	Jun. 8 "	W. Williamson
5895	Buprestids in white oak	Cowling "	" 2 "	"
5896	Samia cecropia eggs	Exp. 5653	" 24 "	"
5897	" " "	" "	" " "	"
5898	Powder post injury in ash floor beams	Griggsville, Ill	Jul. 1 "	"
5899	Prionine larvae on roots of sod corn	Wyoming "	" 14 "	"
5900	Canarsia ulmiarrosella on hackberry	Peoria "	Sep. 24 "	J. J. Davis
✓ 5901	Melalopha inclusa larvae on willow + poplar	Quincy, "	" 29 "	"
5902	Hymenia perspectalis larvae destroying Alternanthera foliage	Chicago "	" 22 "	"
5903	Oncideres cingulatus on elm	Anna "	Oct. 3 "	"
5904	Bagworms for parasites	Springfield "	Aug. 20 "	J. C. Runles
5905	Lepidopterous larvae feeding on Pentstemon	Urbana "	Oct. 20 "	J. J. Davis
5906	Hessian fly in wheat stems	Biggs "	" " "	A. G. Vestal
5907	Bagworms on Juniperus	Effingham "	Sep. 9 "	"
5908	Sphingid larvae from snowberry	Decatur "	" 12 "	"
5909	Hessian fly from wheat stubble	Coulterville "	" 26 "	"
5910	" " in wheat	Oakdale "	" 27 "	"
5911	Blissus leucopterus	———	" 28 "	"
5912	Lachnosterna spp. for life history	Bloomington "	——— "	A. A. Girault
5913	Sphenophorus parvulus? from timothy	Galesburg "	Dec. 16 "	A. G. Vestal
5914	Lepidopterous eggs from French rose stock	Western Springs "	" 21 "	"
5915	" cocoons " " " "	" " "	" " "	"
5916	Mosquito larvae, pool 1	Havana, Ill.	Jun. 30 "	C. A. Hart
5917	" " " "	" "	Jul. 18 "	"
5918	Culex sylvestris larvae, pool 1 (See map in notes)	" "	Sep. 8 "	"
5919	Mosquito larvae + pupae, pool 4	" "	Jun. 30 "	"
5920	" " pool 12	" "	Jul. 1 "	"
5921	Psorophora pupae + Culex pupae + larvae, pool 25	" "	Sep. 10 "	"
5922	Mosquito larvae, sp. a, pool 25	" "	" 9 "	"
5923	" " + pupae " 30	" "	Jul. 20 "	"
5924	Insects in sewage sludge, sample "D"	Chicago "	Sep. 30 "	Hart + Vestal
5925	Mydas larva under bark in stump	White Heath "	May. 26 "	A. G. Vestal
5926	Coleoptera from staircase in residence	Urbana "	Feb. — 1911	A. A. Girault
5927	Callopistria floridensis larvae from fern	Chicago "	Mar. 6 "	A. G. Vestal

REMARKS.	Accession Numbers.
W. P. Flint, Coll.	
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" "	
W. P. Flint, Coll.	
" B. Brown "	
W. P. Flint, coll.	
" M. Smith "	
" " "	
" " "	
W. P. Flint, coll.	
" J. Davis "	
" " "	
From 39th St. Pumping Station	
" G. Vestal, coll.	
J. J. Davis, coll.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
5928	Hymenopterous parasites from bagworm	New Douglas, Ill	Mar. 10 '11	A. G. Vespl
5929	Lepidopterous cocoons on mesquite	Brownsville, Tex.	Nov. — "	"
5930	Pristiphora bivittata adults and pupae	Chicago, Ill.	Jun. 2 "	W. S. Abott
5931	Lachnosterna fusca for life history	Urbana "	" 5 "	A. A. Girault
5932	Cyllene robiniae	———	Sep. 21-22 '10	W. S. Abott
5933	Lepidopterous larvae	Urbana, Ill.	Jul. 17, '11	"
5934	Chironomid larvae from settling basins of a sewage filter	Chicago "	" 22 "	"
5935	Lumbriculus from bed of sewage filter	" "	" — "	A. A. Girault
5936	Prionine? larvae from corn	———	" 27 "	W. S. Abott
5937	" " "	———	" " "	"
5938	Lachnosterna ? pupae	———	" " "	"
5939	Lepidopterous & coleopterous larvae	Urbana, Ill.	Aug. 6 '10	C. A. Hat
5940	Musca domestica vs carbon bisulphide	" "	" 10 '11	A. A. Giralt
5941	" " " " "	" "	" 14 "	"
5942	Tiphia eggs	Sheridan "	" 11 "	P. A. Glenn
5943	Bronze birch borer larvae in birch limbs	Bloomington "	" 16 "	"
5944	Melalopha inclusa larvae, parasitized,	Pinkstaff "	Jun. 27 "	"
5945	Diabrotica 12-punctata adults for eggs	" "	" 28 "	"
5946	Systena frontalis adults for eggs	" "	" 1 "	"
5947	" " eggs	" "	Jul. 1 "	"
5948	Diabrotica 12-punctata adults for eggs	" "	Jun. 30 "	"
5949	" " eggs & larvae	Urbana "	Jul. 7 "	"
5950	Chaetocnema pulicaria adults for eggs	Pinkstaff "	" 2 "	"
5951	Systena frontalis adults for eggs	"	" 3 "	"
5952	Prionus larvae about 1½ in. long	West Brooklyn "	" 24 "	"
5953	" " " 5/8	" " "	" " "	"
5954	Corn in field treated with potassium cyanide (KCN) solution	Urbana "	" " "	"
5955	Corn treated with potassium cyanide (KCN) solution, 1 oz to 1 gal water	" "	" 11 "	"
5956	" " " " " " 2/3 oz " 1 " "	" "	" 7 "	"
5957	" " " " " " 1/2 oz " 1 " "	" "	" " "	"
5958	" " " " " " 2 oz " 1 " "	" "	" " "	"
5959	" " " " " " 4 oz " 1 " "	" "	" " "	"
5960	Corn treated with water, as check	" "	" " "	"
5961	Corn treated with potassium cyanide (KCN) solution ½ oz. to 1 gal water	" "	" " "	"
5962	" " " " " " 2/3 oz. " 1 " "	" "	" " "	"
5963	" " " " " " 2 oz " 1 " "	" "	" " "	"
5964	" " " " " " 4 oz " 1 " "	" "	" " "	"
5965	" " " " " " 1 oz " 1 " "	" "	" 12 "	"
5966	" " " " " " ½ oz " 1 " "	" "	" 13 "	"

REMARKS.	Accession Numbers.
E.S. Dillon, coll.	
C.A. Hart "	
from McMillan	
From 39th St. Pumping Station	
" " " "	
P.C. Glenn, coll.	
" "	
" "	
Several trees dead	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
5967	Corn treated with potassium cyanide (KCN) solutions 2/3 oz to 1 gal water	Urbana, Ill.	Jul. 13 '11	P. A. Glenn
5968	" " " " " " " 1 oz " 1 " "	" "	" " "	"
5969	" " " " " " " 2 oz " 1 " "	" "	" " "	"
5970	" " " " " " " 1/2 oz " 1 " "	" "	" " "	"
5971	" " " " " " " 1/4 oz " 1 " "	" "	" " "	"
5972	" " " 50% " " " " 1/4 oz " 1 " "	" "	" " "	"
5973	" " " " " " " " 1/2 oz " 1 " "	" "	" " "	"
5974	" " " " " " " " 1 oz " 1 " "	" "	" " "	"
5975	" " " " " " " " 1 1/2 oz " 1 " "	" "	" " "	"
5976	" " " " " " " " 2 oz " 1 " "	" "	" " "	"
5977	" " " 2% kerosene emulsion	" "	" " "	"
5978	" " " 1/2 oz. 98% KCN + 2% kerosene emulsion to 1 gal. water	" "	" " "	"
5979	" " " 98% potassium cyanide (KCN) solution, 1 oz to 1 gal. water	" "	" 17 "	"
5980	" " " " " " " " 1 oz " 1 " "	" "	" " "	"
5981	" " " " " " " " 1/2 oz " 1 " "	" "	" " "	"
5982	" " " " " " " " 1/2 oz " 1 " "	" "	" " "	"
5983	" " " " " " " " 1/4 oz " 1 " "	" "	" " "	"
5984	" " " " " " " " + lime-sulfur	" "	" " "	"
5985	" " " " " " " " " " " "	" "	" " "	"
5986	" " " " " " " " 1 lb to 1 gal water	" "	" " "	"
5987	" " " " " " " " 1/2 oz " 1 " "	" "	" " "	"
5988	" " " " " " " " 1/4 oz " 1 " "	" "	" " "	"
5989	" " " " " " " " 1 oz " 1 " "	" "	" 18 "	"
5990	" " " " " " " " + lime-sulfur	" "	" " "	"
5991	" " " " " " " " " " " "	" "	" 17 "	"
5992	" " " " " " " solutions of different strengths	" "	" 18 "	"
5993	" " " " " " " solution + lime-sulfur	" "	" 19 "	"
5994	" " " " " " " " " " " "	" "	" " "	"
5995	" " " " " " " " " " " "	" "	" " "	"
5996	" " in field " " " " " " " " "	" "	" 18 "	"
5997	Wheat treated with a solution of 98% potassium cyanide	" "	Aug. 21 "	"
5998	Tiphia eggs on grubs	Sheridan "	" 11 "	"
5999	Platypegid, &c, larvae, breeding in deliquescing & blackening mushrooms	Muncie "	Nov. 1, 1913	Malloch & Hall
6000				
6001				
6002				
6003				
6004				
6005				

REMARKS.	Accession Numbers.

Same as 5942

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6006				
6007				
6008				
6009				
6010				
6011				
6012				
6013				
6014				
6015				
6016				
6017				
6018				
6019				
6020				
6021				
6022				
6023				
6024				
6025				
6026				
6027				
6028				
6029				
6030				
6031				
6032				
6033				
6034				
6035				
6036				
6037				
6038				
6039				
6040				
6041				
6042				
6043				
6044				

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6045				
6046				
6047				
6048				
6049				
6050				
6051				
6052				
6053				
6054				
6055				
6056				
6057				
6058				
6059				
6060				
6061				
6062				
6063				
6064				
6065				
6066				
6067				
6068				
6069				
6070				
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6072				
6073				
6074				
6075				
6076				
6077				
6078				
6079				
6080				
6081				
6082				
6083				

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6084				
6085				
6086				
6087				
6088				
6089				
6090				
6091				
6092				
6093				
6094				
6095				
6096				
6097				
6098				
6099				
6100	Drosophilidae breeding in fungi on bark	Havana Ill	Nov. 16, 1913	Malloch & Ha
6101	Musca domestica vs hydrate, c.p.	Urbana, Ill.	Aug. 21, 1911	A. A. Girault
6102	" " vs " " & cream of lime	" "	" 22 "	"
6103	" " vs " "	" "	" " "	"
6104	Loxostege similalis larvae	Ipava "	" 24 "	W. S. Abbott
6105	Musca domestica vs insecticides	Urbana "	" 12 "	F. J. Wiley
6106	Rhynchophora, larvae, in ash seeds	" "	Oct. 3 "	P. A. Glenn
6107	Sporotrichum globuliferum on grubs	" "	" " "	"
6108	" " " "	" "	" " "	"
6109	" " " "	" "	" " "	"
6110	Rhynchophora, larvae, in ash seeds	Exp. 6106	Dec. 4 "	"
6111	" " " "	Urbana, Ill.	" "	"
6112	Sporotrichum globuliferum on grubs	" "	" 10 "	"
6113	Rhynchophora, larvae	Centralia "	" 20 "	"
6114	" "	Farina "	" " "	"
6115	Red ants from insectary treated with arsenical poisons	Urbana "	" 27 "	"
6116	Sporotrichum globuliferum on rhyncophorous larvae	" "	Jan. 8, 1912	"
6117	Wheat treated with 5% solution Vreeland's kerosene emulsion	" "	" 17 "	Flint & Glenn
6118	" " " 5% " home-made " "	" "	" 18 "	"
6119	" " " 10% " Vreeland's " "	" "	" " "	"
6120	" " " 10% " home-made " "	" "	" " "	"
6121	" " " 5% " Blanchard's " "	" "	" " "	"
6122	" " " 2% " Target Brand miscible oil	" "	" " "	"

REMARKS.	Accession Numbers.
From P. A. Glenn	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6123	Wheat treated with 5% sol. gasoline emulsion	Urbana, Ill.	Jan. 18, 1912	Flint & Glenn
6124	" " " 10% " " "	" "	" " "	"
6125	" " " 5% " Blanchard's kerosene emulsion	" "	" 20 "	"
6126	" " " crude oil emulsion	" "	" " "	"
6127	" " " 5% sol. Vreeland's kerosene emulsion	" "	" 27 "	P. A. Glenn
6128	" " " 10% " crude carbolic acid emulsion	" "	Feb. 3 "	"
6129	White grubs treated with fungus	Coulterville "	Jan. 24 "	"
6130	" " " " "	" "	" " "	"
6131	" " " " "	" "	" " "	"
6132	" " " " "	" "	" " "	"
6133	" " " " "	" "	" 23 "	"
6134	" " " " "	" "	" 24 "	"
6135	" " " " "	" "	" 24 "	"
6136	" " " " "	" "	" " "	"
6137	" " " " "	" "	" " "	"
6138	" " " " "	" "	" " "	"
6139	" " " " "	" "	" 25 "	"
6140	" " " " "	" "	Feb. 1 "	"
6141	" " " " "	" "	" 10 "	"
6142	Chinch bug adults for eggs	" "	" 14 "	"
6143	" " " for effects of fungus	Exp. 6142	" " "	"
6144	Wheat treated with 10% sol. Vreeland's kerosene emulsion	Urbana "	" 15 "	"
6145	White grubs treated with fungus	Coulterville "	" " "	"
6146	" " " " "	Centralia "	" 20 "	"
6147	" " " " "	Coulterville "	" " "	"
6148	" " " " "	"	" " "	"
6149	" " " " "	Plainville "	Mar. 2 "	"
6150	" " " " "	Gillespie "	" " "	"
6151	Snowy tree cricket eggs in raspberry cane	Greenville "	" 6 "	"
6152	Papilio pupa		" 15 "	"
6153	White grubs treated with fungus	Centralia "	" 16 "	"
6154	Trogoderma ornata adult ♀ for eggs	Lawrence, Kansas	Feb. 22 "	"
6155	White grub treated with sporotrichum	Urbana, Ill.	Mar. 27 "	"
6156	" " " " fungus	" "	Feb. 1 "	"
6157	" " " " "	" "	Mar. 29 "	"
6158	" " " " "	" "	" " "	"
6159	Rhynchophorous larvae	" "	Apr. 19 "	"
6160	" " treated with sporotrichum	" "	" 25 "	"
6161	" " " " "	" "	"	

REMARKS.	Accession Numbers.

Qu French shipment

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6162	Rhynchophorous larvae treated with Sporotrichum	Urbana, Ill.	Apr. 25, '12	P. A. Glenn
6163	Prionine larvae from apple roots	Carbondale "	May 7, '12	"
6164	White grubs treated with sporotrichum from chinch-bug	Urbana "	" 8 "	"
6165	" " " " " " rhynchophorous larvae	" "	" " "	"
6166	" " " " " " white grub?	" "	" " "	"
6167	Lepidosaphes ulmi eggs subjected to temperature of 130° F	" "	Jan. 27 "	"
6168	Lachnosterna ilicis ♂+♀ for oviposition	" "	Jun. 6 "	R. D. Glaeser
6169	" fusca ♂+♀ " "	" "	" 7 "	"
6170	" " " " " "	" "	" " "	"
6171	" " " " " "	" "	" " "	"
6172	" " " " " "	" "	" " "	"
6173	" " " " " "	" "	" " "	"
6174	" " " " " "	" "	" " "	"
6175	" inversa " " "	" "	" " "	"
6176	" " " " " "	" "	" " "	"
6177	" " " " " "	" "	" " "	"
6178	" hirticula " " "	" "	" " "	"
6179	" " " " " "	" "	" " "	"
6180	" fusca " " " "	" "	" 8 "	"
6181	" hirticula " " "	" "	" " "	"
6182	" implicita " " "	" "	" " "	"
6183	" " " " " "	" "	" 22 "	"
6184	" gibbosa " " "	" "	" " "	"
6185	" " " " " "	" "	" " "	"
6186	Lepidopterous borers in Scotch pine	Glenview "	" 11 "	P. A. Glenn
6187	Rhynchophorous larvae	Urbana "	" 12 "	"
6188	" "	" "	" 4 "	"
6189	" adult from ash, for no. of eggs or incubation period	" "	Aug. 25 "	"
6190	Sawfly larvae from wild cherry	Bloomington "	Sep. 5 "	"
6191	Fall army worm	" "	" " "	"
6192	Oncideres larvae in pecan twig	Lincoln "	" 15 "	"
6193	Cynipid larvae in mossy galls on rose	Urbana "	Nov. 27 "	"
6194	" " " smooth hard galls on rose	Aurora "	Oct 1 "	"
6195	Rhynchophorous larva in ash seeds	Urbana "	" 11 "	"
6196	Lepidosaphes ulmi eggs from poplar	" "	Dec 19-20 "	"
6197	" " " " lilac	" "	" 20 "	"
6198	Rhynchophorous larvae	" "	Aug.— "	"
6199	Chionaspis americana eggs treated with different sprays	" "	Jan. 27 1913	Glenn & Smith
6200	Lepidosaphes eggs on lilac hedge " " " "	" "	" 25 "	"

REMARKS.	Accession Numbers.

July 16 fourteen larvae were dead with green fungus. I anisophae?

In letter of H. C. Steege, Sep. 2, 1912.
Det by J. J. Kendall

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
6201	Chionaspis americana eggs treated with home-made sulfur lime	Urbana, Ill.	Jan. 25, 1913	Glenn & Sit
6202	Lepidosaphes ulmi eggs on poplar " " different sprays	" "	" " "	"
6203	Rhynchophorous larvae	" "	Dec. 20 1912	P.A. Glenn
6204	San Jose scale treated with hot water	" "	Mar. 6, 1913	"
6205	" " " + grafts treated with hot water	" "	" 20 "	"
6206	Chionaspis furfura treated with lime-sulfur + sol. sulfur	" "	Jan. 25 "	"
6207	Lachnosterna hirticula ♂ + ♀ for oviposition	" "	Jun. 7, 1912	K.D. Glaser
6208	" " " " "	" "	" " "	"
6209	" " " " "	" "	" " "	"
6210	" " " " "	" "	" " "	"
6211	" implicita " " "	" "	" " "	"
6212	" " " " "	" "	" " "	"
6213	" " " " "	" "	" " "	"
6214	" " " " "	" "	" " "	"
6215	" " " " "	" "	" " "	"
6216	" " " " "	" "	" " "	"
6217	German cockroaches, young, treated with spores of Metarrhizium [anisopliae americana	" "	Jul 17, 1914	P.A. Glenn
6218	San Jose scale, parasitized, for rearing parasites	Pennsylvania	Aug. — —	"
6219	Wireworms in soil, treated with repellents	Exp. 6427	" 13, 1914	"
6220	" + corn in " " " potassium cyanide	" "	" 15 "	"
6221	" in soil, " " carbon bisulfide	" "	" 25 "	"
6222	Corn " " " " " "	———	" " "	"
6223	Wireworms " " " " " "	Exp. 6427	" " "	"
6224	Corn " " " " potassium cyanide	———	" 18 "	"
6225	Wireworms " " " " oil of mirbane	Exp. 6427	" 25 "	"
6226	" " " " " " citronella	" "	" " "	"
6227	" " " " " " anise	" "	" " "	"
6228	San Jose scale, parasitized, for parasite adults	Winnetka, Ill	Sep. 9 "	
6229	Oyster-shell scale on lilac, " " " "	Urbana "	Aug 18 "	
6230	Buprestid borer in soft maple, for adults	Alton "	Nov. 6 "	
6231	Hymen. parasite adult on katydid eggs, to rear parasites	Urbana "	Sep 6 "	
6232	Eggs on elm leaf, for rearing	" "	Aug 26 "	
6233	Lepid. pupa on azalea, for adult	Highland Park "	Nov. 13 "	
6234	Cerambycid larvae boring in Osage orange post	Bader, "	Jul. 11 "	
6235	Aspidiotus fernaldi albiventer, on linden, to rear moles	Urbana, "	Dec. 10 "	
6236	" " , parasitized, for parasites	Exp. 6235	" " "	
6237	Ants treated with arsenical poisons	Urbana, Ill.	Nov. 25, 1913	
6238	Aphids dipped in hot water, to test effects	" "	Jan. 7, 1914	
6239	Hymenopt. parasites of San Jose scale	Pennsylvania	June 15(?) "	

REMARKS.	Accession Numbers.
To determine effective amount of cyanide	
" as a repellent	
" "	
" "	
Attempt to introduce in southern orchards	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6240.	Hymenopt. parasites of San Jose scale	Pennsylvania	Jul. 10, 1914	L.H. Smith
6241	" " " " " "	"	" 20 "	"
6242	" " " " " "	"	" 24 "	"
6243	" " " " " "	"	Aug 3 "	"
6244	" " " " " "	"	" 1 "	"
6245	" " " " " "	"	" 12 "	"
6246	" " " " " "	"	May 20(?) "	"
6247	Black-leaf 40 + lime-sulphur sprays	Urbana, Ill.	Jan 21, 1915	"
6248	" " + Bordeaux mixture	" "	" " "	"
6249	" " + scalecide	" "	" " "	"
6250	Scalecide and paris green	" "	" 22 "	"
6251	" " arsenate of lead	" "	" " "	"
6252	Lime-sulphur + soap sprays	" "	" " "	"
6253	" " + scalecide	" "	" " "	"
6254	Aphids on clover + rose sprayed with lime-sulphur	" "	" 7 "	"
6255	" " " " " " + paste	" "	" " "	"
6256	" " " " " " lime-sulphur paste, + blackleaf 40	" "	" " "	"
6257	" " " " " " + black-leaf 40	" "	" " "	"
6258	" " " " " " paste, + " "	" "	" " "	"
6259	" " " " " " + black leaf 40	" "	" 8 "	"
6260	" " " sprayed with lime-sulphur, black-leaf 40, + paste	" "	" " "	"
6261	" " " " " " + paste	" "	" 11 "	"
6262	" " " " " " + "	" "	" " "	"
6263	" " " " " " "	" "	" " "	"
6264	" " " " black-leaf 40,	" "	" " "	"
6265	" " " " " " + soap.	" "	" " "	"
6266	" " " " " "	" "	" 12 "	"
6267	" " " " " " + soap	" "	" " "	"
6268	" " " " " sulphate of iron + paste	" "	" 13 "	"
6269	" " rose " black-leaf 40 + soap	" "	" 14 "	"
6270	" " " " " black-leaf 40, lime-sulphur, + paste	" "	" " "	"
6271	Aphis avenae " " " " " " "	" "	" 15 "	"
6272	" " " " " " + soap.	" "	" " "	"
6273	" " " " " " lime-sulphur, + paste	" "	" " "	"
6274	" " " " " " + soap	" "	" " "	"
6275	" " " " " " lime-sulphur, + paste	" "	" 16 "	"
6276	Lachnosterna inversa & for oviposition	Exp. 5912	Apr. 24, 1913	R.D. Glasgow
6277	" " " " " "	" "	" " "	"
6278	" " " " " "	" "	" " "	"

REMARKS.	Accession Numbers.
Attempt to introduce in southern orchards	
" " " " " "	
" " " " " "	
" " " " " "	
" " " " " "	
" " " " " "	
" " " " " "	
Set of combining	
" " "	
" " "	
" " "	
" " "	
" " "	
" "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6279	White pine borer covered with fungus to obtain pure culture	Urbana, Ill	Apr. 28, 1913	P. D. Glasgow
6280				
6281				
6282	Culture tests in Transformer Room in Nat. Hist. Bldg	Urbana Ill.	Apr 30 '13	R. D. Glasgow
6283	Chinch-bug exposed to infection by M. anisopliae	Urbana, Ill.	Apr. 30, "	"
6284	" " " " " " " "	" "	" 28 "	"
6285	" " " " " " " "	" "	May 1 "	"
6286	" " " " " " S. globuliferum	" "	" " "	"
6287				
6288	Apple flea-weevil adults	So. Ill.	Apr. 26 "	P. A. Glenn
6289	" " weevils treated with arsenate of lead	" "	" 29 "	"
6290	" " " " " " " "	" "	" 29 "	"
6291	" " " " " paris green	" "	" 26 "	"
6292	" " "	" "	May 6 "	"
6293	" " "	" "	" 7 "	"
6294	" " " treated with arsenical sprays, arsenate of lead	Newton "	Jun. 11 "	"
6295	" " " " " arsenate of lead syrup or flour paste	" "	" 12 "	"
6296	" " " " " " " " " " " "	" "	" " "	"
6297	" " " " " " " " " " " "	" "	" " "	"
6298	" " " " " " flour paste + water	" "	" " "	"
6299	" " " " " " " " " " "	" "	" " "	"
6300	Culex abominator larvae, moss, Cook's Harbor	Havana, Ill.	Aug. 10 '12	A. W. J. Pomroy
6301	Culex larvae, city catch basins	" "	Sep. 10 "	"
6302	" " Fair ground springs in puddles	" "	Aug. 20 "	"
6303	Mosquito larvae, Fair ground springs, pond	" "	Sep. 14 "	"
6304	" " + pupae, Fair ground springs pond	" "	Oct. 4 "	"
6305	" " " " " " puddle	" "	" 20 "	"
6306	" " " " Langlier's drainage ditch, Fulton Co.	" "	Sep. 16 "	"
6307	" " " " " " " "	" "	Oct. 16 "	"
6308	" " " " rain water in boat, river front	" "	Sep. 23 "	"
6309	" " " " roadside pool, Chatauqua grounds	" "	" 26 "	"
6310	" " " " rain barrel, river front	" "	Aug. 16 "	"
6311	" " " " " " " "	" "	Sep. 4 "	"
6312	" " " " pool, Matanzas Road	" "	Oct. 6 "	"
6313	" " " " Mc Harry's mill pond, Quiver	" "	" 22 "	"
6314	Anopheles larvae, Chatauqua, roadside pool	" "	Jul. 31 "	"
6315	Simulium pupae, willows in water, west shore Ill. R.	" "	Jun. 7 "	"
6316	" " " " " " " " "	" "	" 14 "	"
6317	" " lily stems, Illinois R.	" "	" 17 "	"

REMARKS.	Accession Numbers.
from University forestry	45706, 45707, 45708
To determine availability of room for culture work	45710
	45711, 45712, 45717
	45713, 45714,
	45715
	45718
	45720, 45721, 45723
	45722, 45724,
	45725, 45726, 45727, 45728
	45730, 45731, 45732
	45733, 45734, 45735, 45746
Obtained 2 eggs Apr. 27.	45736, 45737, 45767
	45738 45739
	45740. 45741
	45744, 45745, 45749
	45752
	45755
	45757

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6317	Simulium vittatum larvae, grass blades, Ill. R.	Havana, Ill.	Jun. 30 '12	A. W. J. Pomeroy
6318	Simulium pupae, White Oak Run	" "	Jul. 8 "	"
6320	Apple flea-weevils treated with arsenate, flour paste + water	Newton "	Jun. 21 '13	P. A. Glenn
6321	" " " " " " " " " "	" "	" 12 "	"
6322	" " " " " " " " " "	" "	" 11 "	"
6323	" " " " " " " " " "	" "	" 12 "	"
6324	" " " " " " soap, " " "	" "	" " "	"
6325	" " " " " " flour paste + "	" "	" 11 "	"
6326	" " " " " " soap " "	" "	" " "	"
6327	" " " " " " " " "	" "	" " "	"
6328	" " " " " " " " "	" "	" 12 "	"
6329	" " " " " ferrous arsenate, flour paste + water	" "	" 20 "	"
6330	" " " " " " " " " "	" "	" " "	"
6331	" " " " " " " " " "	" "	" 21 "	"
6332	" " " " " zinc arsenite " " "	" "	" 20 "	"
6333	" " " " " " " " " "	" "	" " "	"
6334	" " " " " " " " " "	" "	" " "	"
6335	" " " " " " " " " "	" "	" " "	"
6336	" " " " " " " " " "	" "	" " "	"
6337	" " " " " " " " " "	" "	" 21 "	"
6338	" " " " " lime-sulfur " " "	" "	" 20 "	"
6339	" " " " " " " " " "	" "	" " "	"
6340	" " " " " " " arsenate of lead "	" "	" 18 "	"
6341	" " " " " arsenate of lead + water	" "	" 12 "	"
6342	" " " " " " " " " "	" "	" " "	"
6343	" " " " " " " " " "	" "	" 21 "	"
6344	" " " " " 5%, 7½%, 10% + 15% kerosene emulsion	" "	" 23 "	"
6345	" " " " " 5% + 7½ % " "	" "	" 25 "	"
6346	" " " " " Black Leaf 40, 1/4 oz to 1 gal. water	" "	" " "	"
6347	" " " on ground treated with kerosene emulsion	" "	Jul 31 "	"
6348	" " " , banding against with tanglefoot	" "	Jun. 19 "	"
6349	" " " double " " " "	" "	" 21 "	"
6350	" " " banding " " tree tanglefoot	" "	" 23 "	"
6351	" " " " against with tanglefoot, wide band	" "	" " "	"
6352	" " " " road oil no. 7 + rau/rendleim	" "	" " "	"
6353	" " " on apple leaves	" "	July 1, 1913	"
6354	" " " from soil under apple trees	" "	Aug. 1, "	"
6355	Oyster shell scale on lilac, test of spraying	Urbana, "	Apr. 2, "	"
6356	" " " treated with various sprays	" "	" 5, "	"

REMARKS.	Accession Numbers.
	45759
	45762

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
6357	Oyster Shell Scale, sprayed + unsprayed	Urbana, Ill.	Apr. 29, 1913	P. A. Glenn
6358	" " " on lilac	" "	Jan. 24, "	"
6359	Wire worms treated with disease fungi	———	Sept. 20, "	"
6360	Lepid. web-worm on Euphorbia	Urbana, Ill.	" 4, "	"
6361	" " " " "	" "	" 7, "	"
6362	Box elder bug nymphs + adults	" "	" 19, "	"
6363	Cornfield ant, all stages treated with disease fungi	" "	" 13, "	"
6364	Corn root-lice + field ants " " " "	" "	" 6, "	"
6365	White grubs " " " "	" "	" 4, "	"
6366	" " " " " "	" "	" 19, "	"
6367	Field ant larvae treated with American foul-brood	" "	Oct. 28 "	"
6368	German cockroach " " Metarrhizium anisopliae	" "	Sept. 15 "	"
6369	Box elder bug treated with Kerosene emulsion	" "	Oct., 1, "	"
6370	San José scale on apple bark infested with hym. parasites	Pennsylvania	" " "	"
6371	" " " for hymenopterous parasites	Kentucky	Oct. 16, 1913	"
6372	Hymenopterous parasites on San Jose Scale	Ashley, Ill.	" " "	"
6373	" " " " "	Morissa, Ill.	" " "	"
6374	" " " " "	Carbandale, "	" " "	"
6375	" " " " "	Makanda, "	" " "	"
6376	" " " " "	Alto Pass, "	" " "	"
6377	" " " " "	Ozark, "	" 21, "	"
6378	" " " " "	Anna, "	" " "	"
6379	" " " " "	Urbana, "	" 22, "	"
6380	" " " " "	New Burnside, "	Nov. 4, 1913	"
6381	" " " " "	Duquoin, "	" " "	"
6382	" " " " "	Eldorado, "	" " "	"
6383	" " " " "	Pinckneyville, "	" 6, "	"
6384	" " " " "	Chester, "	" " "	"
6385	" " " " "	Villa Ridge, "	" 20, "	"
6386	" " " " "	Alton, "	" 11, "	"
6387	" " " " "	Brussels, "	" 13, "	"
6388	" " " " "	Laomi, "	" 24, "	"
6389	" " " " "	Centralia, "	" 25, "	"
6390	" " " " "	Flora, "	" " "	"
6391	" " " " "	Thayer, "	Dec. 2, "	"
6392	" " " " "	Olney, "	" 4, "	"
6393	Lepidopterous larvae on Azalea from Belgium	Pekin, "	Nov. 5, "	"
6394	" larva " " " "	Peoria, "	" 19, "	"
6395	Atsco air-tight Sprayer test	———	Dec. 19, "	"

REMARKS.	Accession Numbers.
Trated with Metarrhizium anisopliae	
" " " "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6396	Elaphidion villosum larvae in oak	Chicago, Ill.	Sept. 12, 1913	P. A. Glenn.
6397	Cherry webworm sawfly on wild cherry, for adults	Normal "	July 10 "	"
6398	San Jose & red scales treated with Sphaerostilbe coccophila	Urbana "	Sep. 26 "	"
6399	" " " " " " Myrangium dureyii	" "	Oct. 1 "	"
6400	Oyster-shell scale on ash, treated with insecticides	Champaign, "	Dec. 14 "	"
6401	" " young on bark, " " "	Urbana "	Mar. 26, 1914	"
6402	" " on lilac " " "	" "	" " "	"
6403	" " young on bark " " "	" "	" " "	"
6404	San Jose scale infested with Prospaltella perniciosi	Amherst, Mass	Apr. 1 "	"
6405	Cynipid larvae & pupae in rose — nursery stock from England	Waukegan, Ill.	" 2 "	"
6406	San Jose scale treated with soluble sulphur	Urbana, "	" 6 "	"
6407	Apple flea-weevil, adults, for study of habits	Newton, "	" 8 "	"
6408	" " " " seasonal history	Exp. 6407	" " "	"
6409	" " " ♂ & ♀, for egg production	" "	" 14 "	"
6410	" " " " " " " "	" "	" " "	"
6411	" " " —— " " "	" "	" 23 "	"
6412	" " " ♂ & ♀ " " "	" "	" " "	"
6413	" " " " " " "	" "	" 25 "	"
6414	" " " " " " "	" "	" 28 "	"
6415	" " " test of tanglefoot bands	Newton, Ill	" 8 "	"
6416	Lepidosaphes ulmi young on lilac bark, insecticide test	Urbana, "	" 22 "	"
6417	" " " " apple " " "	" "	" " "	"
6418	" " eggs, treated with insecticides	" "	" 27 "	"
6419	" " " on apple twig	Chicago, "	" 28 "	"
6420	Clover leaf-weevil larvae on clover, test of fungus infection	Urbana "	" " "	"
6421	" " pupae, covered with soil, emergence test.	" "	May 12 "	"
6422	Apple flea-weevil larvae in apple leaves, for rearing	Newton "	" 14 "	"
6423	Wireworms in cornfield	Sampico "	" 18&19 "	"
6424	Apple flea-weevil pupae, for seasonal history	Newton, Olney & Flora "	Apr. 30 "	"
6425	Peach twig borer larvae in peach shoots, for adults	Urbana "	May 12 "	"
6426	Thrips nymphs & adults on cucumber, treated with nicotine	" "	" 16 "	"
6427	Wireworms, stock cage	Sampico "	" 18&19 "	"
6428	Lachnostema implicita adult, for eggs &c.	Exp.	" 30 "	"
6429	" " " " " "	"	" " "	"
6430	Apple flea-weevil adults, test of kerosene on canvas.	Fairfield, Ill.	Jun. 2 "	"
6431	Codling moth in apple, for adults	" "	" " "	"
6432	Diabrotica on cucumber & melon, to test effects of color	Urbana, "	" 8 "	"
6433	" vittata on melon, test of dry Paris green	" "	" 22 "	"
6434	White grubs treated with fungus spores	C. & N. Ill	" 24 "	Garman & Glenn

REMARKS.	Accession Numbers.
Attempt to introduce parasite into Illinois	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6435	White grubs treated with fungus spores	C. & N. Ill.	Jun. 30, 1914	P. Garman
6436	Wireworms " " " "	Exp. 6427	Jul. 1 "	"
6437	" " " " "	" "	" 2 "	"
6438	" in soil, treated with soluble sulphurous repellent	" "	Jun. 29 "	P. A. Glenn
6439	" " " " " naphthaline "	" "	" " "	"
6440	Isosoma tritici larvae in wheat straw, for parasites	Cutler, Perry Co., Ill.	" 22 "	"
6441	Codling moth " " apples, for adults, &c.	Newton, Ill.	" 24 "	"
6442	Hymenopterous parasites, adult, of Isosoma tritici	Exp. 6440	Jul. 6 "	"
6443	Wireworms in soil treated with black-leaf 40	" 6427	" 8 "	"
6444	" " " " " oil of lemon	" "	" " "	"
6445	" " " " " " " citronella	" "	" " "	"
6446	" " " " " " " cloves	" "	" " "	"
6447	" " " " " " " mirbane	" "	" " "	"
6448	" " " " " " " turpentine	" "	" " "	"
6449	" " " " " coal oil	" "	" " "	"
6450	" " " " " scalecide	" "	" " "	"
6451	" " " " " gas-tar	" "	" " "	"
6452	" " " " " coal-tar	" "	" " "	"
6453	Coleopterous larvae in white elm bark, for adults	Urbana, Ill.	" " "	"
6454	Wireworms in soil treated with naphthaline	" "	Jul. 15 "	"
6455	" " " " " coal-tar	" "	" 18 "	"
6456	" " " " " gas-tar	" "	" " "	"
6457	" " " " " naphthenic acid	" "	" " "	"
6458	" " " " " untreated pitch distillate	" "	" " "	"
6459	" + white grubs treated with fungus spores	" "	" 15 "	"
6460	Cornfield ants treated with naphthenic acid	" "	" 18 "	P. Garman
6461	" " " " "Untreated Pitch Distillate"	" "	" 19 "	"
6462	" " " " lemon oil	" "	" 20 "	"
6463	" " " " creosote	" "	" " "	"
6464	" " " " "Untreated Pitch Distillate"	" "	" 22 "	"
6465	Tests of odor-retaining powers of various repellants	" "	" 21 "	"
6466	Cornfield ants treated with lemon oil	" "	" 23 "	"
6467	" " " " " " + oil of anise	" "	Aug. 6 "	"
6468	Corn treated with repellant oils, to test effect	" "	" 9 "	"
6469	Cornfield ants treated with various repellants	" "	" 10 "	"
6470	" " " " " "	" "	" 18 "	"
6471	" " " " anise oil	" "	" 20 "	"
6472	" " " " various repellants	" "	" 23 "	"
6473	Aphis avenae sprayed with Bordeaux mixture + Black-leaf 40	" "	Jan. 22, 1915	L. M. Smith

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
6474	Aphis avenae sprayed with lime-sulphur wash	Urbana, Ill.	Jan. 22, 1915	L. M. Smith
6475	" " " " tobacco infusion + lime sulphur	" "	Feb. 1 "	"
6476	" " " " " " " " "	" "	" " "	"
6477	" " " " " " " " "	" "	" " "	"
6478	" " " " " " lime-sulphur + paste	" "	" " "	"
6479	" " " " " " " " "	" "	" " "	"
6480	" " " " " " " " "	" "	" " "	"
6481	" " " " " " " " "	" "	" " "	"
6482	" " " " scalecide	" "	" 11 "	"
6483	" " " " "	" "	" " "	"
6484	" " " " lime-sulphur + paste	" "	" " "	"
6485	" " " " " " "	" "	" " "	"
6486	" " " " " " "	" "	" " "	"
6487	" " " " soluble sulphur " "	" "	" 12 "	"
6488	" " " " Thomson Chem. Co's "B.T.S" + paste	" "	" " "	"
6489	" " " " soluble sulphur + Scalecide, mixed	" "	Mar. 3 "	P. A. Glenn
6490	Lepidosaphes eggs treated with " " " " "	" "	" " "	"
6491	Aphis " " " " " " " "	" "	" " "	"
6492	Aphis avenae " " " " " " "	" "	" " "	"
6493	Lepidopterous pupa on shipment from Angers, France	Onarga, "	" 5 "	"
6494	Aphis avenae treated with Scalecide + soluble sulphur	Urbana, "	" 6 "	"
6495	" " " " whale oil soap + crude carbolic acid	" "	" 13 "	"
6496	" " " " " " " " "	" "	" 16 "	"
6497	San Jose scale treated with various insecticides	" "	" 29 "	"
6498	Aphis eggs treated with whale oil soap + crude carbolic acid	" "	Apr. 2 "	"
6499	" " " " Lime-sulphur	" "	" " "	"
6500	Codling moth larvae from bands, for rearing	" "	Mar. 23 "	"
6501	" " " " " " "	Centralia, "	" 26 "	"
6502	" " " " " " "	Urbana, "	" 27 "	"
6503	Lepidosaphes eggs treated with various insecticides	" "	" 3 "	"
6504	Aphis " " " " "	" "	" 13 "	"
6505	Kermes on oak " " " "	" "	Apr. 3 "	"
6506	Lepidosaphes eggs on poplar, " " " "	" "	" " "	"
6507	Codling moth larvae, for rearing	" "	" 7 "	A. J. Sanderson
6508	" " " " "	Olney, "	" 12 "	P. A. Glenn
6509	" " " " "	" "	" 13 "	"
6510	" " " " "	Centralia, "	" 12 "	"
6511	" " " " "	" "	" 13 "	"
6512	" " " " "	Parkersburg, "	" 14 "	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6513	Codling-moth larvae for rearing	Parkersburg, Ill.	Apr. 14, 1915	P.A. Glenn
6514	Lepidopterous larvae in decaying apples	Olney, "	" 17 "	"
6515	" " " "	" "	" " "	"
6516	Codling-moth, all stages, for life history	" "	May 1 "	"
6517	" adults, 1st generation, for seasonal history	Exp. 6508-6513	" 3 "	"
6518	" " " " " " "	" " "	" " "	"
6519	" " " " " progeny of 1 pair	" " "	" " "	"
6520	" " " " " eggs, &c	" " "	" 17 "	"
6521	" eggs, 1st generation, & stages, for length of stages	" 6517-6520	" 22 "	"
6522	" larvae from bands, for rearing, &c.	Olney, Ill	Jun. 11 "	"
6523	" " 1st generation, for rearing 2d brood	Exp. 6516	" 15 "	"
6524	Wheat-head army-worm larvae, for rearing	Olney, Ill.	" 18 "	"
6525	Apple flea-weevil, treated with soap solution	" "	" 1 "	"
6526	Codling-moth adults, 2d brood, for life history details	Exp. 6522+6523	Jul. 1 "	"
6527	" " " " " " " "	" " "	" " "	"
6528	" eggs " " " " " "	Exp. 6527	" 3 "	"
6529	Lepidopterous larvae under bands	Olney, Ill.	" 31 "	"
6530	Codling-moth adults, 2d brood, for life history details	Exp. 6523	Aug. 2 "	"
6531	Oblique-banded leaf-roller larvae on apples	Olney, Ill.	" 11 "	"
6532	Codling-moth adults, 3d brood, for life-history details	Exp. 6521, 6522, 6528	" 13 "	"
6533	" eggs " " " " " "	Exp. 6532	" 29 "	"
6534	" adults " " " " " "	" 6526	" 22 "	"
6535	San Jose scale treated with hydrocyanic acid gas, using "Cyanegg"	Urbana, Ill.	Nov. 5 "	"
6536	Lepidopterous borers in Prunus japonica	Painesville, Ohio	" 10 "	"
6537	Hemipterous eggs in apple twig	Versailles, Ill.	Apr. 3, 1914	"
6538	" " " " "	Freeport, "	Mar. 25. "	"
6539	" " " " "	Urbana, "	Mar 20, 1915	"
6540	Apple flea-weevil adults, for progeny of pairs	Olney, "	Apr. 15 "	"
6541	" " larvae, for pupal period	" "	May 10 "	"
6542	Oyster-shell scale on apple, transferred to lilac	" "	Apr. 28 "	"
6543	" " " lilac " " apple	" "	May 3 "	"
6544				
6545				
6546				
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6551				

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
6552				
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
6591				
6592				
6593				
6594				
6595				
6596				
6597				
6598				
6599				
6600				
6601				
6602				
6603				
6604				
6605				
6606	Spraying aphis Eggs on apple	Urbana. Ill.	mar. & apr. 1919	W.P. Flint C.S.B. Power
6607	Clover seed Chalcis,	" "	apr. 1919	"
6608	Cornfield ant, Poisoning	" "	" "	"
6609	Grasshopper Eggs	" "	May 2, 1919	W.P. Flint
6610	Larvae in Smart Weed.	" "	" 27.	"
6611	Corn Flea-beetle Chaetocnema pulicaria	" "	" 29 "	C.S.B. Power
6612	Tests of aphicides	" "	" 29 "	W.P. Flint
6613	army worms with Tachinid egg	Edwardsville	June 4. 1919	"
6614	Lepidopterous larvae	Algonquin Co.	May 26. 1919	"
6615	" " Walnut or sweet clover	So. College Harm. Neb.	June. 6, 1919	"
6616	" " boring in Wild Parsnip	Emerald. Ill.	" 26. 1919	C.S.B. Power
6617	Pupae probably Exorista subapicoides	Carlyle Ill.	" 6. 1919	S.C. Chandler
6618	Dipterous puparia & maggots from 6617	" "	" "	"
6619	Lepidopterous larvae in rod	Logan Grove Ill.	" "	W.P. Flint
6620	Sod [illegible]	Gilman Ill.	" 3, 1919	"
6621	Codlin moth 1919	Urbana. Ill.	" 20, 1919	"
6622	Poisoning Exp. on Solanopsis	" "	" "	"
6623	To get % of [illegible] in army Worm eggs	" "	" 21, 1919	"
6624	Wheat & Joint worm	" "	July 3. 1919	"
6625	Experiments with insect attacking hinder tarsus	" "	" 7, 1919	Hunter & Flint
6626	Beetle feeding on wheat heads	Coles Co, Ill,	" 5, "	W.P. Flint
6627	Grasshopper poisons	Urbana. Ill.	July 10. 1919	"
6628	Telenomus sp.? with army worm eggs	" "	July 15, 1919	"
6629	Nemeritis adults in cages for Eggs & larvae	Urbana	July 28, 1919	W.P. & Flint

REMARKS.	Accession Numbers.
Treating Eggs to prevent hatching Each collection given a sub-number.	
To obtain emergence dates & seasonal history.	
To poison ants to deter the ants.	
To get date of hatching.	
for date of emergence & species	
Life History & studies.	
Test of effectiveness of applicides.	
for adults of parasites.	
To rear adults for identification.	Nonagriidia nocturella
" " " "	
" " " "	
for adults & date of emergence	
" " " "	
for adult	
" "	
Seasonal history	
To kill colony	
Depletion & parasitism of eggs.	Each days collection given sub number
To get parasites	
To get species causing damage	cages run in duplicate with sub number for each species.
To get eggs & larvae	
Host control: different poisons given separate sub numbers.	
For life history	
For life history and food plants different cages with Referral sub number	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6630	Larval of Nonagriia nocturella (and life history on food plant)	Urbana	July 4	W.P. & Lit
6631	Larvae & Pupae of Pyrausta nelumbolalis	Perrysville	aug. 11, 1919	C.S.S. & Fracker
6632	Lepidopterous larva & pupa boring in nelumbo stalk	" "	" " "	" "
6633	Parasites of larva of Pyrausta nelumbolalis	" "	" " "	" "
6634	Coleopterous larvae boring in twigs of Poplar	Springfield, Ill.	" "	" "
6635	Larvae of Pyrausta - Boring in various Plants	Urbana, Ill	Sept. 19, 1919	W.P. & Lit
6636	Lepidopterous larva boring in corn stalk	" "	" " "	" "
6637	" " " " sunflower head		" 20, 1919	" "
6638	Larvae of Pyrausta ainsliii, four parasites	Urbana, Ill	" 20, 1919	
6639	Lepidopterous larva boring in Spanish Needle	" "	" 23, 1919	
6640	" " " " Corn	Bloomington, Ill.	Sept. 30, 1919	C.S.S. & Fracker
6641	Northern Corn Root Worm, adults -	Urbana, Ill	Oct. 2, 1919	"
6642	Lepidopterous pupa on Ragweed.	Lee Co.	" 3, 1919	
6643	adults of Amathes bicolorago	Urbana, Ill.	Oct. 11, 1919	
6644	Hessian-fly puparia from fields of Ill	Urbana Ill	Fall of 1919	W.P. & Lit
6645	Treatment of corn seed with insecticides	" "	" " "	" "
6646	Rearing Hessian-fly on winter oats	" "	" " "	" "
6647	army worm - poison baites	" "	" " "	" "
6648	ant poisoning Experiments	" "	" " "	" "
6649	Test of aphicides	" "	" " "	" "
6650	Tests with materials for control of Cs.	Quincy Ill	Winter 1919-1920	" "
6651	" " " for coddling moth control	Plainview		" "
6652	" " " control of San Jose scale	Tarina		" "
6653	" " " varities of corn for	Champaign Co. Ill.	summer 1920	
6654	codlin moth, four larvae to test insecticides	Urbana, Ill.	Feb. 1920	C. "
6655	chinch-bug repellant Experiments	"	March 1920	" "
6656	Test of scalicides for oyster shell scale	"	" "	" "
6657	Test of scalicides for Chionaspis ulmi	"	" "	" "
6658	[illegible] cages for rearing Hessian fly	"	" "	" "
6659	Nonagriia nocturella, life History	"	" "	" "
6660	Lepidopterous larvae	"	" "	" "
6661	[illegible]	"	" "	" "
6662	Army worm adults in cages for eggs and larvae	"	April 1920	
6663				
6664	To test the effect of treatment with different	Urbana	" 1920	" "
6665	clover seeds	"	May 1920	C.S.S. & Fracker
6666	Experiments on preventing act of scurfy scale on apple	"	" "	C.P. & Lit
6667	[illegible] on red clover	"	" "	" "
6668	Coleopterous larva found on clover	"	" "	" "

REMARKS.	Accession Numbers.
To get favorite food and larval food	
to obtain adults.	
to obtain adult.	
" " "	
" " "	
Reared adults - Each food plant given a separate	Each number 46067-46068-46069-46070-46071-46072.
" " " "	46073
" " " "	Part of each lot sent to U.S. Bur. Ent.
Roman parasites. Each locality given a number	
" " adults.	
" " "	46080.
To see if eggs are laid. Larvae will feed on plant other than Corn	
I mean adults.	
To get eggs & determine food plant.	
" on parasites	
To prevent injury to seed corn by insects.	
To find weather the Hessian fly will breed on winter oats	
To determine best formula of poison bran mash for cut worms	
To try various poisons as a means of reducing To cut worms in modeling room	
To test efficiency of various insecticides each one given separate number	
To " " " " " sprays for controlling San Jose scale	
To test efficiency of coating materials, each material given sub number	
" " materials for San Jose scale control on nursery stock,	
varieties of corn for Chinch-bug resistance	
To test effectiveness of various repellants.	
Each chemical & strength given separate subnumber	
" " " " " " "	
Each case given separate subnumber.	
To study Life History.	
To get adults	
To determine mortality of pupae in washed out on ground.	
To obtain date of appearance of stages	
various insecticides used.	
To get life history	
To find out host of Clover.	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6669	[illegible] Lutoria	Urbana	[illegible] 1920	
6670	Phytonomus nigrirostris	"	may 24, 1920	
6671	Enarmonia interstinctana	"	"	
6672	Codlin moth 1920	"	1920	
6673	Soy Bean Insects	"	"	Harris & Flint
6674	Cut worms from corn ground	Ferdinanda	June 22, 1920	" & Lin
6675	[illegible]	Urbana	[illegible]	
6676	" " "	"	"	
6677	" Odonata in Ariz	"	Aug 29 19[illegible]	
6678	" with materials for control of pests	"	summer & fall 1920	"
6679	Tussock Moth Eggs	"	November 1920	"
6680	Caudal (fruit) Larvae injected with lefid of Stevens larvae	Urbana	Nov. 25,	"
6681	[illegible]	[illegible]	[illegible]	
6682	[illegible]	Urbana & Greentown	Jan 2 [illegible]	"
6683	[illegible]	" "	" "	"
6684	[illegible]	" "	" "	"
6685	Test of Scalecides (Banoil) for Oyster Shell Scale	" "	Feb. 18	N. P. Flint
6686		" "	" 19	"
6687	Rearing Larvae Tabanus on granulum in Rockford Greentown	Greentown & Urbana	" 22	Alexander & Flint
6688	Test of Scalecides for oyster shell scale on lilac	"	Mar. 9	W. P. Flint
6689	" " " on Cherry Scale on apple	"	" "	"
6690	effects of light and odors on codling moth larvae	"	" 9	
6691	[illegible]	"	" 21	
6692	Test of scalecides on oyster shell scale on poplar	"	" 29	"
6693	" " " " " "	"	29	"
6694	[illegible]	"	[illegible]	
6695	Tests of scalecides on the set of oyster shell scale	"	" a b for	"
6696	" " " " hatch " " " "	"	" 19	"
6697	Apple twigs containing eggs of tree hoppers from Knox Co.	"	" 21	"
6698		"	1921	"
6699		"	[illegible]	"
6700	Tests of insecticides on set of oyster shell scale on poplar	"	1922	"
6701	[illegible]	[illegible]	1922	"
6702	[illegible]	Urbana	May 29	"
6703	[illegible] for Citrus longicornis Urbana		1922	"
6704	[illegible]	[illegible]	1922	Flint & Davis
6705	[illegible]	[illegible]	"	[illegible]
6706	[illegible]	Urbana	1922	"
6707	" " " Eutoria bispidula	"	"	"

REMARKS.	Accession Numbers.

adults on clover. Life History + studies.

" " " " " "

were collected under boards.

Survey of insects affecting soy Beans.

To get life history and adults.

" " "

Borers in trunk of Yellow Newtown Pippin
Effect of various insecticides for the control of Borers

To find percentage of parasitism
of adult

" eggs in last [illegible] and under waters

To control woolly aphis on apple roots

" " " "

" " " "

Each chemical and strength given separate sub-number To determine hatch

" " " "

Borer in wire cages in [illegible]

Each chemical and strength given sub-number To determine hatch

" " " " " "

on leaf
ash borers ~~on~~ Pupa - number

Each chemical and strength given sub-number To determine hatch

" " " " " To determine pupae -
borer adults, Plants from Rotenone bed,

Forts on popular twigs outside insectary

" " " " " "

To obtain nymphs

Direct effect on fruit and on foliage

with Arsenate of Lead
with Arsenate of Lead Spraying
Distance from tree at which trap barrels
Use of materials for control of P.I.B. conducted
at Ottawa 1923
To test effect on leaf

To get life history on clover

To get life history on clover

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6708	[illegible] 6707			
6709	[illegible] Urbana	Urbana	Summer 1923	W.P.W.
6710	[illegible]	"	"	
6711	[illegible]	[illegible]	Oct 1923	
6712	[illegible]	"	1923	
6713	[illegible]		1923, 24	
6714	[illegible]		1923	
6715	[illegible]		1923	W.P.W.
6716	[illegible]		1923	W.P.W.
6717	[illegible] Melanoplus brevicornis on P. airolis	[illegible]	1923	"
6718	[illegible]	"	Sept 1923	"
6719	[illegible]	"	Dec 1923	"
6720	[illegible]		Jan 11, 1924	
6721	[illegible]	Urbana and Kempsville	1924 May	W.P.W. & J.H.E.
6722	[illegible]	Urbana and [illegible]		General
6723	[illegible]	Urbana	1924	W.P.W.
6724	[illegible]	Plainview Waterhill	1924 -	J.H.E.
6725	[illegible]		1925	
6726	[illegible]	Urbana	1925	W.P.W.
6727	[illegible]	"	1925	
6728				
6729				
6730				
6731				
6732				
6733				
6734				
6735				
6736				
6737				
6738				
6739				
6740				
6741				
6742				
6743				
6744				
6745				
6746				

REMARKS.

Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENDR.
6747				
6748				
6749				
6750				
6751				
6752				
6753				
6754				
6755				
6756				
6757				
6758				
6759				
6760				
6761				
6762				
6763				
6764				
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6774				
6775				
6776				
6777				
6778				
6779				
6780				
6781				
6782				
6783				
6784				
6785				

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6786				
6787				
6788				
6789				
6790				
6791				
6792				
6793				
6794				
6795				
6796				
6797				
6798				
6799				
6800				
6801	Chinch-bug eggs (4) for parasites	Mt Sterling, Ill.	Aug. 1, 1914	W.P. Flint*
6802	" " " (43) " "	Dawson, "	Jul. 31 "	"
6803	" " " (70) " "	Auburn, "	" 30 "	"
6804	" " " (143) "	Edwardsville, "	Aug. 3 "	"
6805	" " (56) " "	Macomb "	" 5 "	"
6806	" " (62) "	Springfield "	" " "	"
6807	Chinch-bug eggs (25) laid within last 24 hrs, put with pair of Eumicrosoma benefica	" "	" 6 "	"
6808	" " " fresh laid, put with pair of " "	" "	" " "	"
6809	" " (20) laid within 24 hrs, put with pair of " "	" "	" " "	"
6810	" (27) " " " " " " ♀s " "	" "	" " "	"
6811	" " (28) placed in tube for parasites	Canton "	" 3 "	"
6812	" " (23) " " vial " "	Vermont "	" 6 "	"
6813	" " (112) " " " " "	Plainview "	" 7 "	"
6814	" " (34) " " " " "	Jacksonville "	" " "	"
6815	" " (75) fresh, placed with 2 pairs of E. benefica	Springfield "	" 8 "	"
6816	" " (25) " " " ♀s & 1 ♂ of E. "	" "	" 9 "	"
6817	" " fresh, put with large adult egg parasite	" "	" 11 "	"
6818	" " (20) fresh, " " 2 pairs of E. benefica	" "	" 12 "	"
6819	" " (40), " " " 5 ♀ & 3 ♂ " "	" "	" " "	"
6820	" " (25) " " " 6 E. benefica from Kansas moth	" "	" " "	"
6821	" " (50) for parasites	Clinton "	" 11 "	"
6822	" " (125) " "	Decatur "	" 11 "	"
6823	" " (60) " "	Mason City "	" 9 "	"
6824	" " (38)	Pekin "	" 7 "	"

*Insectary located in Springfield, Ill.

REMARKS.	Accession Numbers.
Preed in vial	
" " "	
" " "	
" " "	
" " "	
" " "	
Plced in vial in cornfield.	Eumicrosoma from nos. 115-119, Kansas material
" " " " "	" Springfield
" " " room by open window.	
" " " " " " "	Eumicrosoma from Kansas, #27-33.
Preed in vial in room by open window	
" " " " " " " "	Eggs collected near when Kansas matl. was put out.
" " " " " " " "	
" " " " " " " "	Eumicrosoma had emerged same day
" " " " " " " "	Eumicrosoma had all emerged within 24 hrs.
" " " " " " " "	Parasite from Exp. 6814
" " " " " " " "	Eumicrosoma had emerged Aug 10 or 11.
" " " " " " " "	" " " " " "
" " " " cornfield	
" " " by open window	
" " " " " "	
" " " " " "	
" " " " " "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
6825	Chinch-bug eggs (33) for parasites	Lincoln, Ill	Aug 10 '14	W.P. Flint
6826	" " (50) laid within 24 hrs, put with 1♂+4♀ E. benefica	Springfield "	" 13 "	"
6827	" " (50) " " " " " " " 1♂+4♀ "	" "	" " "	"
6828	" " (75) " " " " " " 7 adult "	" "	" " "	"
6829	" " (22) for parasites	Ashland "	" 12 "	"
6830	" " (25) fresh, put with 1 pair Eumicrosoma benefica	Springfield "	" 15 "	"
6831	" " (8) for parasites	Farmersville "	" " "	"
6832	" " (5) " "	White Hall "	" 14 "	"
6833	" " (50) laid within 24 hrs, put with 3♀+1♂ E benefica	Springfield "	" 16 "	"
6834	" " (60) fresh, put with 20 E. benefica	" "	" 17 "	"
6835	(100) for parasites	Murrayville "	" 14 "	"
6836	" " (11) " "	Springfield "	" 17 "	"
6837	" " (about 50), fresh, put with 25 Eumicrosoma benefica	" "	" 19 "	"
6838	" (35), fresh, put with 3♂+2♀ " "	" "	" " "	"
6839	" " (60) " " " 20 adult " "	" "	" " "	"
6840	Garden web-worm larvae from alfalfa, for parasites	Golden "	" 21 "	"
6841	Chinchbug eggs (20), fresh, put with 1 pair E. benefica from Exp. 6810	Springfield "	" 22 "	"
6842	" " (10) " " " 2♂+6♀ " " " " "	" "	" " "	"
6843	" " (124) for parasites	Mattoon "	" 19 "	"
6844	" (103) " "	Sullivan "	" 18 "	"
6845	" " (58) " "	Greenup "	" 20 "	"
6846	" " (15), fresh, put with 2♀+1♂ E. benefica from Exp. 6809	Springfield "	" 23 "	"
6847	" " " " " " 2♀ " " " " 6810	" "	" " "	"
6848	" " (20) " " " 2♀+1♂ " " emerged same day	" "	" 25 "	"
6849	" " (15) " " " 1♂+6♀ " " " " "	" "	" 26 "	"
6850	Chinch-bug barrier test, with stove-pipe iron bent at angle	" "	" 21 "	"
6851	" " " " " " , chalked.	" "	" " "	"
6852	"Untreated Tar Distillate" + 10% tar acid creosote	" "	" 27 "	"
6853	Chinch-bug eggs (9) fresh put with E. benefica (2♀ from Exp. 6837 + 2♂ just emerged)	" "	Sept. 3 "	"
6854	" " (14) laid within 24 hrs, put with 1♂&1♀ E. benefica from 6820	" "	" 4 "	"
6855	Locust-borer adults (4) for poisoning test	" "	" " "	"
6856	" " fed meal mash poisoned with sodium arsenate	" "	" 5 "	"
6857	" " " bran " " " " " "	" "	" " "	"
6858	Chinch-bug eggs (4), fresh, put with 1♂+1♀ E. benefica, from 6833	" "	" " "	"
6859	" " (14), " " " E. benefica, 1♂ from 6827, + 1♀ from 6820	" "	" 7 "	"
6860	" " (2) " " " " " 1♀ " 6820, + 1♂ " 6827	" "	" 8 "	"
6861	" " (5) from grass in cornfields, for parasites	Virden "	" 9 "	"
6862	" " (5), fresh, put with E. benefica, 1♀ from 6833, + 1♀, 2♂ from 6838	Springfield "	" 14 "	"
6863	" " (12) not very fresh, put with E. benefica, 1♀ fr. 6846, + 1♂ from 6847	" "	" 29 "	"

REMARKS.	Accession Numbers.
Placed in vial by open window	
" " " in cornfield. Eumicrosoma had emerged within 24 hrs.	
" " " by open window. " " " " " "	
" " " " " " " rec'd same day from Kansas	
" " " " " "	
" " " " " "	
" " " " " " From field of A B White where Kansas mat was put out	
" " " " " "	
" " " " " " Eumicrosoma freshly emerged	
" " cornfield at base of stalks. Eumicrosoma rec'd same day from Kansas	
" " vial by open window	
" " " in room	
" " " by open window. Eumicrosoma rec'd from Kansas Aug 18.	
" " " " " " " had emerged same day	
" " " " " " " rec'd from Kansas Aug 18	
Placed in vial by open window. Eumicrosoma had emerged Aug 21 & 22.	
" " " " "	
" " " " "	
" " " " "	
" " " " "	
" " " " "	
" " " " "	
" " " " "	
" " " " "	
Tower from Standard Oil Co.	
Placed in vial by open window	
" " in cornfield. Eumicrosoma had emerged same day	
d. Tower cage in yard	
" " " "	
" " " "	
d. vial by open window. Eumicrosoma had emerged same day.	
" " " " " " " " "	
" " " " " ♀ " " " ", 8 Sep. 7.	
" " " "	
" in cornfield. Eumicrosoma had emerged same day.	
" by open window	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6864	Ligyrus gibbosus adults, for life history	Atwater, Ill.	Oct 16 '14	W. P. Hunt
6865	Eumicrosoma benefica, 10 adults, from crab grass in field	Plainview, "	" 21 "	"
6866	Hessian fly? pupaia in wild wheat	Pekin "	Nov. 4 "	"
6867	Locust borer eggs, tested with contact sprays	Morrison "	" 1, 1913	"
6868	" parasitized (about 100), from Abbott plantation	Union Grove "	Apr. 1, 1915	"
6869	Canker worm adults, 3 ♀) for oviposition	Curran "	" 6 "	"
6870	Chinch bug barrier tests of creosote	Springfield "	" 8 "	"
6871	Chinch bug eggs (100) from field where E. benefica was released in fall [of 1914	Cascade "	" 28 "	"
6872	" " (12) " fields north of town	Litchfield "	" 29 "	"
6873	" " (112)	Morrisonville "	" " "	"
6874	" " (4) from wheat-field west of town	Springfield "	" 30 "	"
6875	" " (33) " " east " "	Lanesville "	May 3 "	"
6876	" " (31) " wheat, E. benefica released in next field in 1914	Petersburg "	" 2 "	"
6877	" " (300) " rye, 1 mi. from where E. benefica released " "	Plainview "	" 3 "	"
6878	" " (100) " wheat; many E. benefica released in next fld " "	" "	" " "	"
6879	" " (183) " 5 wheat-fields	Virden "	" 5 "	"
6880	" " (50) " 7 "	Petersburg "	" 9 "	"
6881	" (91) " wheat.	Newton "	" 8 "	"
6882	" (270) " wheat, at least 1 mi. from where E. benefica was [released in 1914	Springfield "	" 11 "	"
6883	" " (100) " next field to where many E. benefica were freed 1914	Plainview "	" 10 "	"
6884	" " (200) " farm " " " " " " "	Springfield "	" 11 "	"
6885	" " (100) " 1 mile from " E. benefica were freed in 1914	Plainview "	" 10 "	"
6886	" (101) field where many " " " " " "	Farmersville "	" 13 "	"
6887	" " (100) " " " " " " " " " "	Waggoner "	" " "	"
6888	" (200)	Kane "	" 12 "	"
6889	" " (200)	" "	" " "	"
6890	" " (200)	" "	" " "	"
6891	" (200) from Knudson farm	Bradfordton "	" 15 "	"
6892	" (59) " Odiorne field	Springfield "	" 17 "	"
6893	" (47) from wheat next field where E. benefica was freed 1914	Vermont "	" 14 "	"
6894	" " (60) 1¼ mi. fr. field where E. benefica were freed in fall of '14	" "	" " "	"
6895	" (34) 1/8 " " " " " " " " " 1914	Mt. Sterling "	" 11 "	"
6896	" (57) 1 " " " " " " " " " "	" "	" " "	"
6897	" " (25) 1½ " " " " " " " " " "	Macomb "	" 12 "	"
6898	" " (40) ½-1 " " " " " " " " " "	Canton "	" 13 "	"
6899	" " (200) for parasites	Riddle Hill "	" 17 "	"
6900	" " (58) "	Bates "	" 18 "	"
6901	" " (190) "	Vandalia "	" 19 "	"
6902	" " (300) "	Centralia "	" 17 "	"

REMARKS.	Accession Numbers.
Trial on ground at base of cone-hill	
Trials in insectary	
Trial in insectary	
" " "	
" " "	
" " "	
" " "	
" " "	
" " "	
" " "	
L. White field.	
E. Beeler "	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
6903	Chinch-bug eggs (300), for parasites	Centralia, Ill.	May 17, 1915	W. P. Flint
6904	Chinch-bugs, 25 young, hatched within 48 hrs, placed on wheat	Springfield "	" 23 "	"
6905	Chinch-bug eggs (100) from Odionne farm, for parasites	" "	" 24 "	"
6906	" " (50), 1 mi " " " from wheat, for parasites	" "	" " "	"
6907	" (150) for parasites	Griggsville "	" 22 "	"
6908	" " (36) " "	Jacksonville "	" 21 "	"
6909	" " (68) " "	Virginia "	" 22 "	"
6910	" " (75) " "	Jacksonville "	" 24 "	"
6911	" " (112) " "	Bluffs "	" 25 "	"
6912	" (63) " "	Griggsville "	" 24 "	"
6913	" " (100) " " Hilligard field	Plainview "	" 25 "	"
6914	Hessian fly "flaxseeds"	Nashville "	" 22 "	"
6915	Chinch-bug eggs (101), for parasites	" "	" " "	"
6916	" (100 " " Knudson farm	Pleasant Plains "	" 24 "	"
6917	" " (100) " "	Cantrall "	" 21 "	"
6918	" " (200) " " 5 mi. w. of town	Decatur "	" 25 "	"
6919	" " (30) " "	Kinderhook "	" " "	"
6920	" (19) from field where eggs from Kansas infested with Eu- [microsome benefica, were distributed in 1914	Pittsfield "	" 24 "	"
6921	" eggs for hatching records, laid May 29 & 30.	Exp. 6923	" 30 "	"
6922	"			"
6923	" adults, 10 pairs taken in copula for oviposition records	Virden, Ill	May 29, 1915	"
6924	" eggs (100) from wheat, for parasites	" "	" " "	"
6925	" " (95) " " " "	Murrayville, "	" 28 "	"
6926	" " (50) for parasites, 5 mi e. of town	Griggsville "	" 29 "	"
6927	" " (60) " "	Jacksonville "	" " "	"
6928	" " (50) " "	Murrayville "	" 28 "	"
6929	" " (200) which had been submerged 48 hours, May 30-31,	Cascade "	Jun 2 "	"
6930	" (50) for parasites	Griggsville "	May 30 "	"
6931	" (50) " " from fields 4½ mi n.w. of town	Pittsfield "	" 31 "	"
6932	" (72) " "	Jacksonville "	Jun. 2 "	"
6933	" " (94) " "	" "	" " "	"
6934	" " (263) " "	" "	May 31 "	"
6935	" " (150) " " from 5 mi s.e. of town	Barry "	Jun. 2 "	"
6936	" " (33) " " " 2½ " w. " "	" "	" 1 "	"
6937	" " (15) " "	Pana "	" 5 "	"
6938	" " (30) " "	Winchester "	" 4 "	"
6939	" " (70) " "	Chapin "	" 3 "	"
6940	" " (200) " " [put out in 1914. " , within 1 mi. of where Kan. matl was	Plainview "	" 8 "	"
6941	" " (100) " " " " " " " " "	" "	" " "	"

[put out in 1914.

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
6942	Chinch-bug eggs (95), for parasites	Jacksonville, Ill.	Jun. 7, 1915	W. P. Flint
6943	" " (120) " "	" "	" 8 "	"
6944	" " (40) "	Shelbyville, "	" 7 "	"
6945	" " (200) "	Decatur "	" 3 "	"
6946	" " (100) " "	" "	" 45 "	"
6947	" " (100) " "	Lanesville "	" 9 "	"
6948	" " (150) " "	Milton to Detroit, Pike Co, Ill.	" " "	"
6949	" adults, 10 mating pairs, for egg production record	Springfield, Ill.	" 10 "	"
6950	" eggs (250), for parasites, taken 4 mi. s. of town	" "	" " "	"
6951	" " (50) " "	Griggsville "	" " "	"
6952	" " (200) " "	Decatur "	" 9 "	"
6953	" " (200) " " 5 mi w. of town	" "	" 10 "	"
6954	" " (125) " "	Plainview "	" 15 "	"
6955	" " (5) laid by 2 pairs of adults	Exp. 6923	" 18 "	"
6956	Chrysopa larva, about ½ grown, put with 12 chinch-bugs in 1st instar	Springfield "	" 19 "	"
6957	Blechrus adult from wheat field, put with 15 chinch-bugs, 1st, 2d & 3d instars	" "	" " "	"
6958	" adults (2) put with 7 chinch-bug eggs, & 18 chinch-bugs in 1st instar	" "	" " "	"
6959	Chinch-bug eggs (138) for parasites	Jacksonville "	" 12 "	"
6960	" (100) " "	Decatur "	" 8-10 "	"
6961	" " (48) " "	Jacksonville "	" 13 "	"
6962	" " (114) " "	" "	" 18 "	"
6963	" " (225), ½ mi e. of where Kan. parasites were freed in 1914	" "	" 17 "	"
6964	" " (75) for parasites	South Hadley "	" 15 "	"
6965	" " (50) " "	Griggsville "	" 17 "	"
6966	" " (50) " " 5 mi. s. of town	" "	" 19 "	"
6967	" " (51) " " 3 " " " "	" "	" 17 "	"
6968	" " (50) " " 7 " " "	" "	" " "	"
6969	Ant poison tests of mixed calomel + sugar	Springfield "	" 21 "	"
6970	Chrysopa larva, small, put with 20 chinch-bugs, 1st instar	" "	" " "	"
6971				"
6972	Chinch-bug eggs (92) ½ mi e. of parasite-planting point	Jacksonville, Ill.	Jun. 22, 1915	"
6973	" " (74)	Winchester "	" 24 "	"
6974	" (30)	Franklin "	" 25 "	"
6975	Nabid, adult, put with 8 live chinch-bugs; from 5 mi. s. of town	Springfield "	" 28 "	"
6976	" " " 6 " " " " " " "	" "	" " "	"
6977	Chinch-bug eggs (20) for parasites	Winchester "	" 19 "	"
6978	" " (33) ½ mi. s.e. of parasite distribution point	Jacksonville "	" 17 "	"
6979	" " (48) for parasites	Plainview "	" 29 "	"
6980	Wheat-head army-worm larvae (12)	Glenarm "	" " "	"

REMARKS.	Accession Numbers.
Dionne farm.	

EXPERIMENT NUMBER	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
6981	Chinch-bug eggs (108) for parasites	Jacksonville, Ill.	Jun. 16, 1915	W.P. Flint
6982	" " (60) " "	" "	" 15 "	"
6983	" " (61) " "	Beebe "	May 20 "	"
6984	" " (40) " " Odiorne farm	Springfield "	Jun. 12 "	"
6985	" " (91) " "	Decatur "	May 28-30 "	"
6986	" " (14) " "	Nashville "	Jun. 15 "	"
6987	" " (31) " " from graveyard near town	Pittsfield "	" 17 "	"
6988	" " (15) " "	Belleville "	" 16 "	"
6989	Nabid nymph, very small, from wheat fld., put with 6 chinch-bugs, 3d & 4th instars	Springfield "	Jul 6 "	"
6990	" adult from wheat field, put with 4 chinch-bugs, 4th instar	" "	" " "	"
6991	nymph, small, put with 4 chinch-bugs in 2d & 3d instars	" "	" " "	"
6992	2d instar	" "	" " "	"
6993	Blechrus adult put with " " " 4th "	" "	" " "	"
6994	Lady-bird larva from Odiorne farm	" "	" 5 "	"
6995	Nabid nymph " " "	" "	" " "	"
6996		"	" " "	"
6997	Tachinid larva	"	" " "	"
6998		"	" " "	"
6999	Phorocera " " " "	" "	" " "	"
7000		" "	" " "	"
7001	Blechrus adult put with 10 chinch-bugs, 3d & 4th instar	" "	" 2 "	"
7002	Cut poison tests with Argentine-ant formula	" "	" 8 "	"
7003	Crowned beetle from 5 mi. s. of town, put with chinch-bugs.	" "	" 9 "	"
7004		" "	" " "	"
7005	Pagea from adult	" "	" " "	"
7006	Phorocera eggs removed from fly for hatching & feeding on chinch-bugs.	" "	" " "	"
7007	" " " 5 mi. s. of " " " " "	" "	" " "	"
7008		" "	" " "	"
7009		" "	" " "	"
7010		" "	" " "	"
7011		" "	" " "	"
7012	Leucania unipuncta, 2 adults from trap by insectary for oviposition	" "	" 11 "	"
7013	Agonoderus pallipes adult	" "	" 12 "	"
7014	Tachinid larva from Odiorne farm, put with chinch-bugs	" "	" " "	"
7015	Carabid adult " " " " "	" "	" 13 "	"
7016	Pagea larva " " " "	" "	" 14 "	"
7017	Lady-bird larva " " " "	" "	" 13 "	"
7018		" "	" 14 "	"
7019	Chinch-bugs 1st pair of 2d generation seen mating, Odiorne farm	" "	" 15 "	"

REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
7020	Sections of trunk of elm killed by borers in 1914	Springfield, Ill	Oct 8, 1914	W.P. 7 Elm
7021	Agonoderus pallipes adult from wheat fld, put with 6 chinch-bugs, 4th instar	" "	Jul. 19, 1915	"
7022	Reduviolus, gravid(?) ♀, from wheat field, put with 6 adult + 4th instar chinch-bugs	" "	" " "	"
7023	Pagasa fusca nymph from 10 mi w. of town, " " " 4th instar chinch-bugs	" "	" 22 "	"
7024	Carabid adult put with 6 chinch-bugs, 4th instar	" "	" 23 "	"
7025	" " " " " " "	" "	" " "	"
7026	" " " " " " 3 do 4th instar	" "	" " "	"
7027	Hippodamia convergens adult put with 6 chinch-bugs, 4th instar	" "	" " "	"
7028	Army worm eggs laid in grass in insectary	" "	" 24 "	"
7029	Lady-bug larvae put with 6 chinch-bug nymphs	Mt Vernon "	" 29 "	"
7030	" " (2) " " 10 " "	" "	" " "	"
7031	Carabid adult " " 6 " "	" "	" " "	"
7032	Chinch-bug eggs (51) from wheat stubble, for parasites	" "	" " "	"
7033	Blechrus adult from wheat 5 mi s. of town, put with 6 chinch-bugs	Springfield "	" 28 "	"
7034	Nabids, 1♀+2♂, put with 10 chinch-bug nymphs	" "	" 29 "	"
7035	Chinch-bug eggs (40) for parasites	Fairfield "	" 28 "	"
7036	" " (10) " "	Barnhill "	" 24 "	"
7037	" " (38) " "	Jamaroa "	" 30 "	"
7038	Nabid eggs	Exp. 7034	Aug 6 "	"
7039	Chinch-bug eggs (82) for parasites	Plainview, Ill.	" 5 "	"
7040	Insidious flower bug (2 nymph, put with 6 chinch-bugs, 1st instar	Springfield "	" 7 "	"
7041	" " " " " " " " " "	" "	" " "	"
7042	Chinch-bug eggs (76) for parasites, from 6 mi. e. of town	Jacksonville "	" 6 "	"
7043	Insidious flower-bug, very young nymph, put with 6 chinch-bugs, 1st instar	Springfield "	" 14 "	"
7044	Chinch-bug eggs (125) for parasites	Plainview "	" 12 "	"
7045	" " (129) " " , from 5 mi. s. of town, in corn.	Springfield "	" 14 "	"
7046	" " (60) " " " grass in wheat stubble	" "	" 13 "	"
7047				"
7048	Chinch-bug eggs (41) for parasites	Plainview, Ill.	Aug. 26, 1915	"
7049	Lepid. larva, parasitized, from under band on apple tree	" "	" " "	"
7050	Army-worm adults, 3♂, 3♀, for oviposition	Exp. 7012	Sep. 10 "	"
7051	" " " " " "	" "	" " "	"
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7053	" " " " " "	" "	" " "	"
7054	" " " "	" "	" 11 "	"
7055	" eggs laid Oct. 24-28, in 10 sheaths of grass-blades	Springfield, Ill.	Oct. 30 "	"
7056	" adults, for eggs + larvae	" "	Sep. 29 "	"
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REMARKS.	Accession Numbers.
4. adult	
Carbid from wheat stubble	
Chinch bugs in 3d & 4th instars	
Odome field	
" "	
Hibernating stage	

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTER.
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
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7300	Clover seed clipping for	Rockford	1920	W. M. Wadley
7301	Contact insecticides on Empoasca viridis	"	"	" " "
7302	Bordeaux for control of Empoasca viridis	"	"	" " "
7303	Weekly sweeping of clover	"	"	" " "
7304	Rearing of insects from clover heads	"	"	" " "
7305	Codling Moth Collections from bands	"	"	" " "
7306	Moth trap Collections	"	"	" " "
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTR.
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTO
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
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REMARKS.	Accession Numbers.

EXPERIMENT NUMBER.	DESCRIPTION.	PLACE.	DATE.	EXPERIMENTOR.
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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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REMARKS.	Accession Numbers.

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